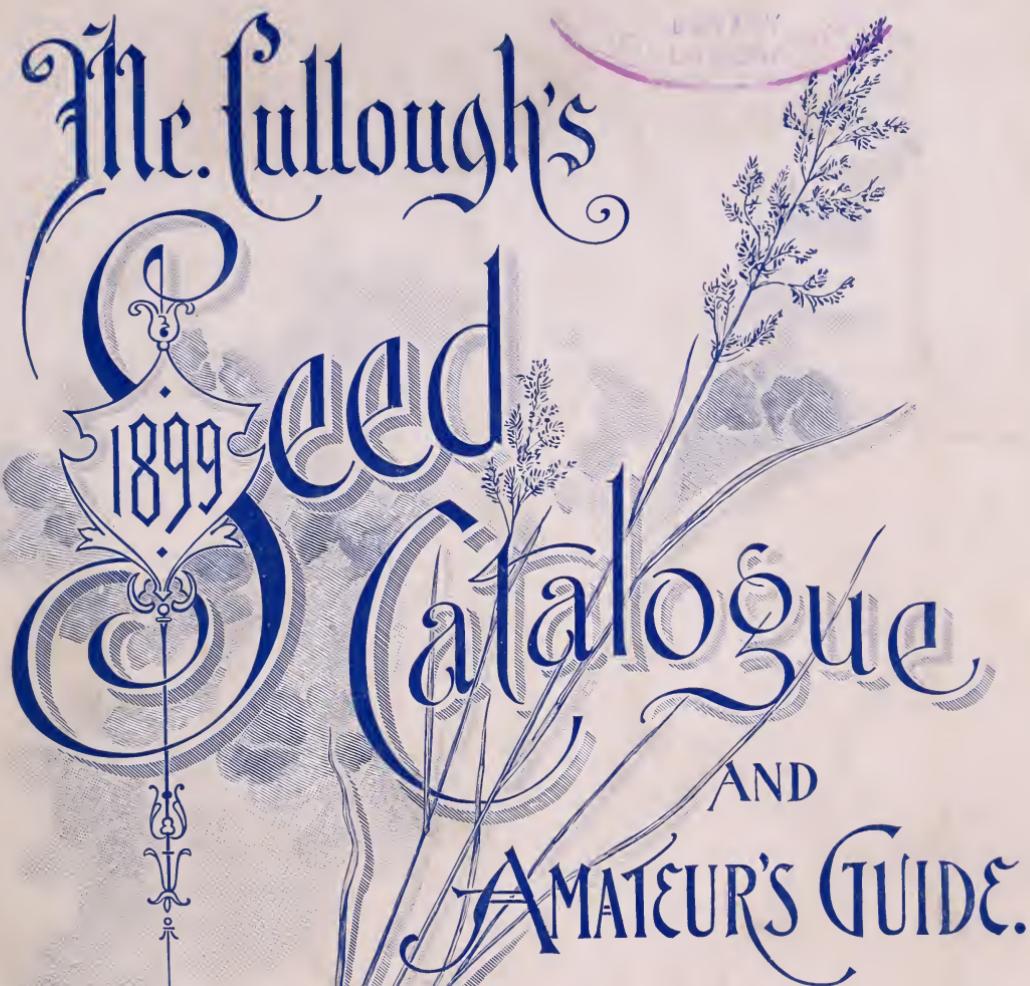


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Mc. Culough's
Seed
Catalogue
AND
AMATEUR'S GUIDE.



J. M. McCULLOUGH'S SONS,

ESTABLISHED 1838.

316-318 WALNUT ST.,

(BETWEEN 3RD & 4TH STS.)

CINCINNATI, OHIO.

TRADE MARK



PAID FOR C.V.



Instructions to Purchasers.



OUR PRICES INCLUDE POSTAGE on all Vegetable and Flower Seeds by the **packet, ounce and pound**, except **Peas, Beans and Corn**, when **15 cents per quart** and **10 cents per pint** must be added to catalogue prices for postage.

Order Early.—It will greatly facilitate shipments if orders are sent early. We aim to send off all orders the day received, but during the busy season it is nearly impossible—hence the advisability of ordering **early**.

Customers who buy at our counters, or wish to pay their own express charges may deduct ten cents per pound on all seeds bought by the pound, if quoted at prepaid rates.

Send the Money with the Order.—Postal Note, Post Office Order, Registered Letter, Express prepaid, or Draft on Cincinnati or New York.

In view of the fact that the express companies make a special low rate on small packages of Seeds, Plants and Bulbs, we would suggest that patrons remit by Express Money Orders, which can be obtained at nearly all the express offices.

United States Postage Stamps will be received for small amounts; be exceedingly careful about the least moisture getting on them when remitting, as they sometimes reach us so stuck together as to be almost worthless.

We do not send C. O. D.—Everything being plainly priced, the return charges on money is an unnecessary expense.

Should you change your address, we will esteem it a favor if you will notify us, so we can forward our Catalogue with regularity; if you receive two Catalogues of the same kind, please hand one to some friend who has a garden.

Should an error occur, we desire to be promptly informed, and will take pleasure in making satisfactory corrections.

Write your Name and Address distinctly and in full; please use the Order Sheet and Envelope inserted in this Catalogue.

We shall always be pleased to reward customers who send us the name and post office address of their friends who will buy Seeds, Plants, Bulbs, etc.

About Warranting Seeds.—We have often been asked if we “**guarantee or warrant our Seeds.**” We beg to state plainly **we do not**, for the reason that practical experience has assured us of the fact that crops may fail, no matter how fresh or pure the seed sown may be. We trust that our customers will fully realize that it is to **our interest to send none but very best quality of Seeds**. It would be folly to do otherwise, unless we wanted to sacrifice our good reputation for selling **Reliable Seeds**, which we are constantly striving to extend.

To secure success, however, it is necessary that the customer should do his part well, or our good seeds will be ruined. With the best of management and with good seeds there will be an occasional unaccountable failure. The best of gardeners sometimes fail, and try again with the same seed with good results.

We test all our Seeds before sending them out, and while we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, express or implied. If the purchaser does not accept Seeds on these terms and conditions, they must be returned at once, and the money that has been paid for same will be refunded.

J. M. McCULLOUGH'S SONS,

(ALBERT McCULLOUGH)
(H. B. McCULLOUGH)

Nos. 316 and 318 Walnut Street,

Between Third and Fourth Streets,

Telephone 584.

CINCINNATI, OHIO.

...WE HAVE NO BRANCH STORES....



!

J. M. McCULLOUGH'S SONS, Cincinnati, O.,

316 and 318 Walnut Street, Between Third and Fourth Streets.

VERY IMPORTANT.—Write your Name and Address Distinctly and in Full.

Date 189

Name of Person.....

“ Post Office

"County....."

“ State

“ *Express Office* (If different from P. O.)

Please forward by { State if wanted by Mail, Express, or Freight, and which Company. }

POSTAGE FREE.—All Vegetable and Flower Seeds offered in **packets**, only quoted; except **Peas, Beans and Corn**, add 10 cents per pint and 15 cents per quart.

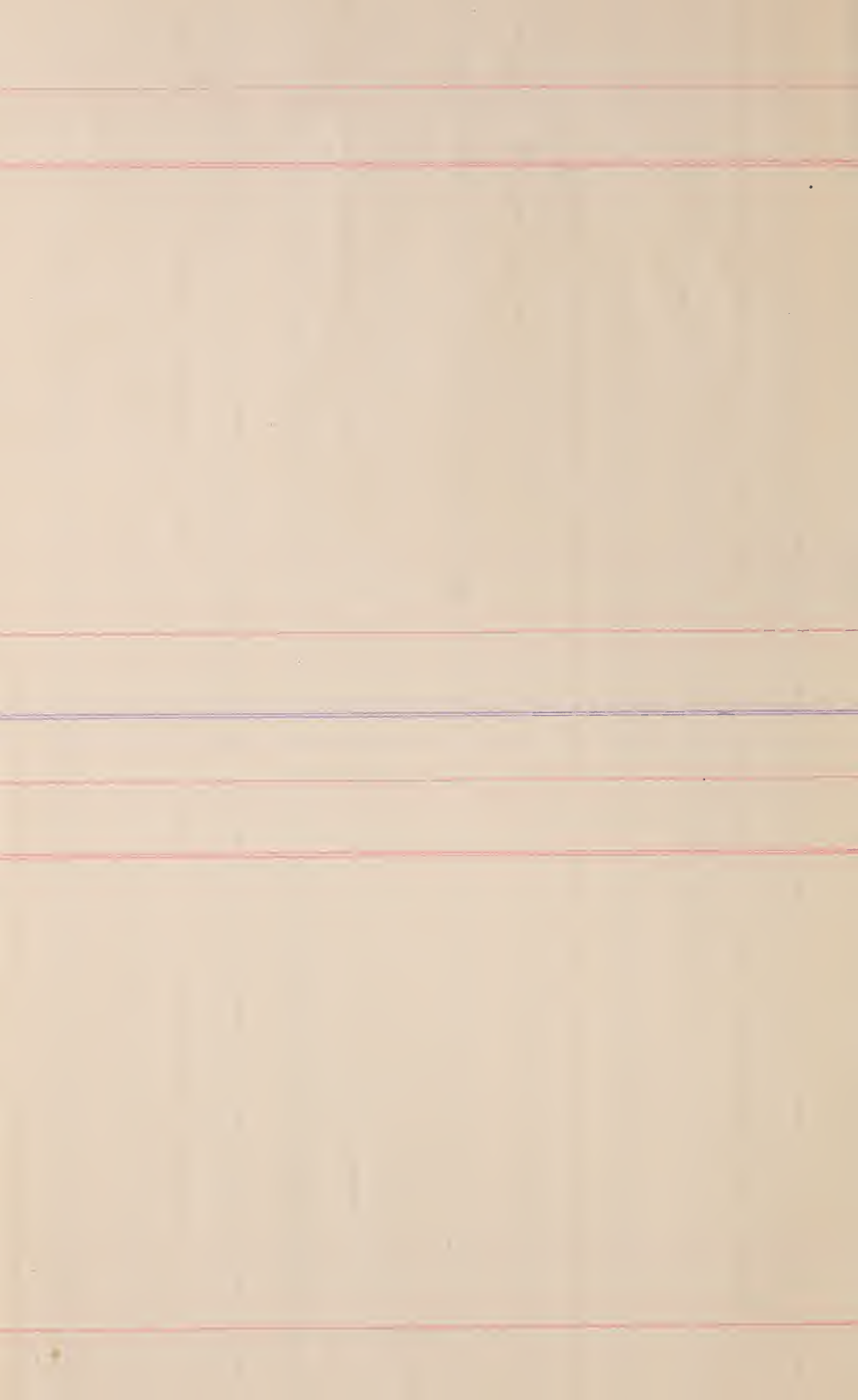
Please use this Order Sheet for orders only, and carry out Catalogue Prices observing these directions, it will help us to fill your order with greater accuracy.

For further particulars and conditions of sale, see cover.

es and single pounds, are sent free by Mail, at prices
f to be sent by mail. **Order Flower Seeds by Number.**

each article. Write your letters on a separate sheet. By

[illegible]



FOR 1899.



VEGETABLE SEEDS

General List.

We Always Endeavor

to make HIGHEST QUALITY A FIRST CONSIDERATION, and then to make our prices AS LOW AS GOOD, HONEST SEEDS CAN BE SOLD. Our prices, therefore, will in all cases be

Our prices, therefore, will, in all cases, be found as low as those of any other reliable house for seeds of the highest standard of excellence. WE ARE DETERMINED TO SELL NOTHING BUT THE VERY BEST SEEDS THAT IT IS POSSIBLE TO PROCURE.

Postage. OUR PRICES INCLUDE POSTAGE on all seeds in Packets, Ounces, Pounds, except Corn, Peas and Beans, when 10c per Pint and 15c per Quart one pound each, except heavy cases, unmarked otherwise.

Customers purchasing Seeds at our counters, or who wish to pay their own express charges, may deduct 10 cents per pound on all seeds bought by the pound, if quoted at prepaid rates.

Special Rates on Vegetable Seeds in Packets.

To induce our patrons to form clubs to purchase Seeds in quantity, we will offer the following LIBERAL DISCOUNTS on Vegetable Seeds in Packets. Mailed postage paid.

For 25c. select 6 five cent pkts. of Vegetable Seeds.

For 50c. " 13 five " " " " "

For \$1 select *Seeds in pkts.* (no ozs. remember) to the amount of \$1 30

For	2	"	"	"	"	"	"	2	65
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For 3	"	"	"	"	"	"	"	4 00
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These prices do not refer to seeds offered by weight or measure, but to seeds in PACKETS ONLY.

ALL OUR PACKETS ARE WELL FILLED WITH THE BEST SEEDS.

ARTICHOKE.

Sow in April in rich soil, and transplant the following spring to permanent beds, in rows or hills, three feet apart and two feet between plants.

Large Globe. Grown for the unripe flower heads.....5c pkt., 25c oz., 90c 1/4 lb.

Jerusalem. Grown exclusively for its tubers, which somewhat resemble potatoes, and are cultivated in a similar manner, only

that the rows should be at least four feet apart when grown in strong soils. Tubers, 25c per quart, by mail. 50c per peck; \$1.25 per bushel; \$3.00 per barrel of three bushels. Shipped at buyer's expense.

ASPARAGUS. (Spargal, Ger.)

One Ounce Will Sow Forty Feet of Drill. Fifteen Pounds to the Acre.

In early spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The soil should be very rich and well worked. Later, thin plants to the six or four inches apart in the rows, and cultivate in and about the ground through the summer. The permanent beds should be prepared by deep plowing or spading, and thoroughly mixing the ground with stable manure or other fertilizers. If the subsoil is not naturally loose and friable, it should be made so by thorough stirring with a subsoil plow or spade. Make rows three feet apart and four inches deep, and set the plants in the bottom of the rows eighteen inches apart. Cover the roots about two inches deep. After the plants are well started, give frequent, thorough cultivation, and draw a little earth into the furrows at each hoeing until they are filled. Early the next spring, spade a heavy dressing of manure, and one quart of salt to each square rod, and cultivate well until the plants begin to die down. The next season the bed may be cut over two or three times, but if this is done *all* the short shoots, no matter how small, should be cut and after the final cutting, give a good dressing of manure, ashes and salt. In the fall, as soon as the tops are ripe and yellow, they should be cut and burned. The plants may also be set in the fall, if the ground is so well drained that the water will not stand on it. The quickest way to obtain a supply is to plant the roots. Two-year-old roots will insure the best and earliest results.

er's Mammoth. A fine, large-stemmed green variety.....5c pkt., 10c oz., 25c 1/4 lb., 75c lb.

Siberian Mammoth White. Pure white stalks, large size and finest quality.....5c pkt., 15c oz., 40c ¼ lb., \$1.25 lb.

Over's Colossal. One of the best varieties, large and productive.....5c pkt., 10c oz., 25c 1/4 lb., 60c lb.

metto. An improved variety. Very early and a good yielder	5c pkt., 10c oz., 25c ¼ lb., 75c lb.
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ASPARAGUS ROOTS.

r's Mammoth. Two-year-old roots, \$1 per 100, \$7 per 1,000.
ossal. Two-year-old roots,.....75c per 100, \$5 per 1,000.

Columbian Mammoth White.	Two-year-old roots.	
	\$1.00 per 100,	\$7.00 per 1,000.
Palmetto.	Two-year-old roots.....	\$1.00 per 100, \$6.00 per 1,000.

BEANS (Bohne, Ger.)—Dwarf or Bush.**Dwarf Green Podded Sorts.**

The varieties of this class are tender, and will not bear much cold. Plant about the middle of April, if the ground is warm and the season favorable, and at intervals throughout the season for a succession, finishing about the 15th of August. The best mode of culture is in rows two feet apart, and the beans three inches apart and two inches deep in the rows. Keep well hoed, and draw the earth up to the stems, but only when dry; working them wet with rain or dew will cause them to rust and injure the crop. One quart will plant one hundred feet of drill.

Add Ten Cents per Pint and Fifteen Cents per Quart if Sent by Mail.

McCullough's Improved Round Pod Red Valentine. This variety is at least ten days earlier than the Early Valentine, and usually ready to pick thirty-five days after planting. The pods are very thick and fleshy, of finest quality, and unequalled in uniformity of ripening. One of the most profitable sorts for the gardener.

5c pkt., 15c pt., 25c qt., \$1.50 per peck.

Red Speckled Valentine. The old standard variety; about ten days later than our Improved Valentine.

10c pt., 20c qt., \$1.25 per peck.

White Valentine. The seed being white, gives it additional value, as it can be used as a snap-sort or a winter shelled bean.

5c pkt., 15c pt., 25c qt., \$1.50 per peck.

Extra Early Refugee, or Thousand to One. Very early and productive, will stand a slight frost; one of the best string or pickling beans.

5c pkt., 10c pt., 20c qt., \$1.25 per peck.

Long Yellow, Six Weeks. Very early and productive, and a good shell bean.

5c pkt., 10c pt., 20c qt., \$1. per peck.

Early Mohawk. Very early and will stand more cold than most of the bush varieties.

5c pkt., 10c pt., 20c qt., \$1.25 per peck.

Horticultural Dwarf. Excellent quality as a shell bean, either green or dry.

5c pkt., 15c pt., 25c qt., \$1.50 per peck.

Best of All. Early and of superior quality; round, green pods.

5c pkt., 15c pt., 25c qt., \$1.25 per peck.

White Kidney or Royal Dwarf. A superior kind for baking, and is also excellent when shelled green.

5c pkt., 10c pt., 20c qt., \$1.00 per peck.



McCullough's Improved Round Pod Red Valentine.

White Marrowfat. Extensively grown for sale as a dry bean for winter use; excellent shelled, either green or dry.

5c pkt., 10c pt., 20c qt., \$1.00 per peck.

Boston Pea Bean. An excellent variety of very productive habit; for baking they excel all other sorts.

5c pkt., 10c pt., 20c qt., \$1.00 per peck.

Mexican or Prolific Tree. Grows eighteen inches high, branching like a tree, bearing its pods so high that they do not touch the ground, and are not injured by wet weather.

5c pkt., 10c pt., 20c qt., \$1.00 per peck.

Navy. The old standard sort for winter use.

5c pkt., 10c pt., 20c qt., \$1.00 per peck.

Black Turtle Soup. Used as a winter shelled bean, for which it is much esteemed.

5c pkt., 15c pt., 25c qt.

Henderson's Bush Lima. Produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans.

5c pkt., 15c pt., 30c qt.

Burpee's Bush Lima. A true bush form of the large white Lima. The bushes grow eighteen to twenty inches high, of stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush from two feet to three feet in diameter. It is an immense yielder, each bush bearing from fifty to two hundred of the handsome large pods, well filled with very large beans.

5c pkt., 20c pt., 40c qt.

For Beans Sent by Mail, Add 10 Cents Per Pint and 15 Cents Per Quart. Larger Quantities Sent by Express or Freight at Purchaser's Expense.



Burpee's Bush Lima.

BEANS, DWARF.**Yellow-Podded Wax Varieties.**

Add Ten Cents per Pint and Fifteen Cents per Quart
if sent by Mail.

- Golden Wax.** Our stocks of this desirable variety have become so well and favorably known as to warrant us in making a distinction between our stock and those usually offered, as ours are a strong-growing, distinct variety. The pods are long, brittle and entirely stringless.....5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Golden-Eyed Wax.** This is a very hardy and prolific variety; the pods are flat and larger than the Golden Wax.....5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Improved Black Wax.** Improvement on the old Black Wax; pods waxy yellow, very tender and productive.....5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Currie's Rust Proof.** Pods long, flat, straight and of a waxy-white color. Beans oblong and black. Quality excellent. 5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Wardwell's Kidney Wax.** Vine of medium size, erect, hardy, and productive. Pods long, broad, flat, and of a waxy yellow, brittle and stringless. 5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Davis Kidney Wax.** Pods are long, straight, oval, clear, waxy white color, often growing to a length of seven to eight inches; when fit for use, are stringless and of fine flavor.....5c pkt., 15c pt., 25c qt., \$1.50 peck.
- Yosemite Wax.** The largest pods of any of the wax varieties, averaging 8 to 10 inches in length. Of a rich golden yellow color, and entirely stringless. Productive and of excellent quality.....5c pkt., 20c pt., 35c qt.
- White Wax.** Pods yellow and of good quality; valued for its white seed as a winter shelled bean.....5c pkt., 15c pt., 25c qt., \$1.50 peck.

**BEANS,****Pole or Running.**

(Stangenbohnen, Ger.)

One quart will plant
150 hills.

The planting of the various sorts of pole-beans should be delayed two weeks after the first planting of the early dwarf sorts. The Limas, being very tender, will do better if not planted in the open ground before the middle of May. Plant in hills about three feet apart, and one to two inches deep, using five or six seeds to each hill, and set a pole firmly in the centre. Manure liberally in the hill with well-composed fertilizer. Thin the plants, leaving three in each hill. Many cultivators consider it best, in planting Limas and other flat beans, to place the eye down, claiming in this way that they will germinate more quickly. Lima Beans for early use may be grown in frames and transplanted.

McCullough's Extra Large Lima. The most buttery and delicious bean grown, both for market or family use.

5c pkt., 15c pt., 30c qt., \$1.75 peck.
Dreer's Improved Lima. A productive variety, with short, straight, broad pods. Beans smaller but thicker than the Large Lima. Quality excellent.....5c pkt., 15c pt., 30c qt., \$1.75 peck.

King of the Garden Lima. A vigorous grower, bearing profusely, large pods varying in length from 5 to 8 inches. The beans are large and of rich flavor.....5c pkt., 15c pt., 30c qt., \$1.75 peck.

Kentucky Wonder, or Old Homestead. This we regard as far ahead of any other green pole bean. In our trial grounds last summer, it was fit for the table on August 1, which was at least ten days earlier than any other green sort. It is enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless, and the pods are a silvery green color. The pods, though large, cook tender and melting.....5c pkt., 15c pt., 30c qt., \$1.50 peck.

Cut Short, or Corn Hill. Used for planting among corn, and considered one of the best for this section.....5c pkt., 15c pt., 30c qt.

White Creaseback. Best of all pole beans. It is a good grower, and very productive. Pods five to six inches long, perfectly round, with a crease in the back. The pods are stringless, very fleshy, and of superb quality.....5c pkt., 15c pt., 30c qt., \$1.50 peck.

Horticultural (Wren's Egg, or Speckled Crauberry). Productive and tender. Is an excellent corn bean.

5c pkt., 15c pt., 25c qt., \$1.25 peck.
King Horticultural. One of the best Pole Beans, very early and remarkably productive. The long, beautifully colored pods hang in rich clusters. As an early shell bean it is unequalled for tenderness and delicious flavor.....5c pkt., 15c pt., 30c qt., \$1.50 peck.

Southern Prolific. Produces, in clusters, excellent snap-short beans in eighty days. Is early, productive, and bears till frost.

5c pkt., 15c pt., 30c qt., \$1.50 peck.
Scarlet Runner. A beautiful ornamental climber. Bright scarlet flowers. 5c pkt., 20c pt., 40c qt.

Dutch Case-Knife. Very productive, and one of the earliest, sometimes used as snaps, but generally shelled. A good market sort.

5c pkt., 15c pt., 30c qt., \$1.25 peck.
Lazy Wife. An excellent late green-podded pole bean. Pods of a medium dark green color, broad, thick, very fleshy, and entirely stringless. The pods remain green and tender until nearly ripe. Beans are white, and excellent as shell-beans for winter use.

5c pkt., 15c pt., 30c qt., \$1.50 peck.
Golden Cluster Wax. The pods are from six to eight inches long; stringless, very tender, and of delicious flavor.

5c pkt., 15c pt., 30c qt., \$1.50 peck.
Golden Andalusia. The most productive of all the pole varieties; beans pure white, round; makes an excellent dry bean for winter use. 5c pkt., 15c pt., 30c qt., \$1.50 peck.

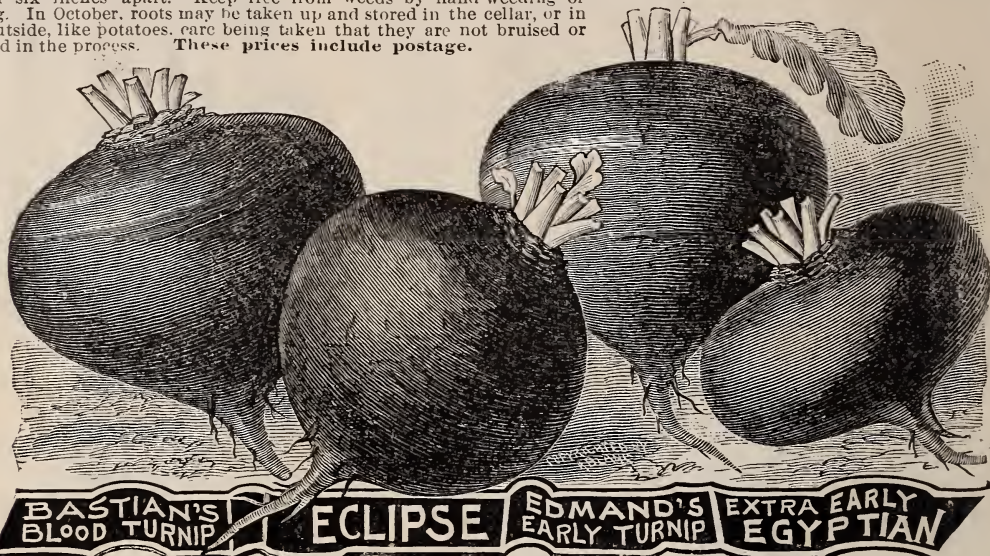


Lazy Wife Pole Bean.

BEET. (Rothe Rube, Ger.)

One Ounce Will Sow Fifty Feet of Drill. Five to Six Pounds for an Acre.

The soil which is best suited is that which is rather light and thoroughly enriched with manure. For an early supply, sow in spring as soon as the ground becomes fit to work, in drills about one foot apart and two inches deep. For main crop, sow the first week in May, and for winter use sow in June. When the plants have attained three or four leaves, thin out so they may stand five or six inches apart. Keep free from weeds by hand-weeding or hoeing. In October, roots may be taken up and stored in the cellar, or in pits outside, like potatoes, care being taken that they are not bruised or injured in the process. These prices include postage.

**BASTIAN'S BLOOD TURNIP****ECLIPSE****EDMAND'S EARLY TURNIP****EXTRA EARLY EGYPTIAN**

✓ **McCullough's "Norwood" Turnip.** One of the most uniform of all Beets, with very small tops of bronzy red. The bulbs are handsome and round, very smooth, and of good marketable size. Skin deep blood-red, the flesh dark red.

5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 65c lb.

✓ **Eclipse.** One of the best early sorts. The roots are a bright glossy red, fine-grained and delicious.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

✓ **Lentz's Early Blood Turnip.** It is fully as early as the Egyptian, but larger and of better quality, of fine, dark red color, tender and sweet.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

✓ **Crosby's Improved Egyptian.** Extra early. An improved strain of the Egyptian Beet, in great repute in the Boston market. It is much thicker than the original strain, quite as early, of better color and quality, besides being smoother.....5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

✓ **Extra Early Flat Egyptian.** A standard sort, earlier than the Blood Turnip. Large size, crimson color, small tops.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

✓ **Edmand's Early Turnip.** Uniform small top, bronzy red. Exceedingly tender and sweet; skin blood-red, flesh dark red.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

✓ **Bastian's Early Blood Turnip.** Extra early, of quick, large growth; flesh tender.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

**Crosby's Beet.**

✓ **Early Blood Turnip.** Flesh dark red color; a standard round variety, with small top.

5c pkt.; 10c oz.; 20c $\frac{1}{4}$ lb.; 50c lb.

✓ **Bassano.** (The Table Sugar Beet.) Very early, tender and sweet, rose color; grows to a good size.

5c pkt.; 10c oz.; 25c $\frac{1}{4}$ lb.; 60c lb.

✓ **Long Dark Blood.** An old standard variety, and a splendid keeper.

5c pkt.; 10c oz.; 20c $\frac{1}{4}$ lb.; 50c lb.

✓ **Swiss Chard, or Spinach Beet.** Cultivated for its leaves.

5c pkt.; 10c oz.; 20c $\frac{1}{4}$ lb.; 50c lb.

SUGAR BEET.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter; thousands of acres are planted with Sugar Beets for manufacturing sugar. They are excellent for feeding cows, improving wonderfully the quantity and also quality of the milk.

**McCullough's Norwood Beet.**

✓ **Vilmorin's Improved.** A medium sized white Sugar Beet brought by the most careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers.....5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

✓ **Lane's Sugar Beet.** One of the best for field culture; early, large, and productive.....5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

The Above Prices Include Postage. If Sent By Express Deduct 10 Cents Per Pound.

MANGEL. WURZEL.

Five to Six Pounds of Seed Required Per Acre.

The importance and value of this crop for stock feeding can not be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and yield immense crops per acre, if the soil is rich—you can hardly get it too rich—they make a heavy growth, and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivation.

Prize Mammoth Long Red. More generally grown for agricultural purposes than any other, producing roots of large size and excellent quality.....10c oz., 15c ¼ lb., 40c lb.

Red Globe. A large, red, oval variety, keeps well, and produces better crops on shallow soil than the Long Red.....10c oz., 15c ¼ lb., 40c lb.

Yellow Globe. Of large size and globular form; very productive, keeps better than the Long Red, and is better adapted for growing in shallow soil.....10c oz., 15c ¼ lb., 40c lb.

Golden Tankard. Bright Yellow, large, handsome, heavy cropper, splendid quality.....10c oz., 15c ¼ lb., 40c lb.

BROCCOLI. (Spargle Kohl, Ger.)

Sow thinly in seed beds about the middle of spring, and transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White. Heads medium size, close, compact. One of the most certain to head. 5c pkt., 25c oz.

Early Purple Cape. Differs in color.....5c pkt., 25c oz.

BRUSSELS SPROUTS. (Sprossen Kohl, Ger.)

This is one of the most delicious of all vegetables, of easy growth. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by frost. Sow in May and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

Dwarf Improved. 5c pkt., 25c oz.

CABBAGE. (Weisskopf Kohl, Ger.)

One ounce will produce 1,500 plants. Quantity to transplant one acre, one-half lb.

The early varieties of Cabbage are cultivated more extensively than any other vegetable. In latitudes where the thermometer never indicates 20° below the freezing point, seed may be sown in the open border in October, and planted out on the first opening of spring; but in the Northern States they must either be sown in hot-beds in February, or, what is still better, wintered over in cold-frames; for this purpose, the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants might run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold-frames. In planting, it is very important with Cabbage or Cauliflower, that the plant is set down to the first leaf, so that the stem is all under ground, for, if exposed, it will be split by the action of the frost, and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April, in rows about two feet apart, and eighteen inches between the plants in rows. The earliest crop matures in June. For second early, the early kinds should be sown first week in April, and planted out in May. The crop should mature in July and August. The late varieties are usually sown in the early part of May, and the plants are set in July, at a distance of three feet between the rows, and two feet between the plants. This crop matures September, October, or November. Cabbage should not follow cabbage successively. The late plants are subject to attacks of the cabbage fly, which destroys them as fast as they appear above ground. To preserve the plants, sprinkle them with wood ashes, air-slacked lime, plaster, slug shot, or tobacco dust early in the morning while the plants are wet with dew.

Long Red Mangel.

Our Seed is grown from selected heads, and saved from center shoots.

Etampes. One of the earliest cabbages in cultivation, having solid, compact heads of conical form, and of a yellowish green color.

5c pkt., 20c oz., 60c ¼ lb.

Early Winnigstadt. A solid and tender variety; good for either early or late. Desirable for private gardens.

5c pkt., 20c oz., 50c ¼ lb., \$1.50 lb.

Early Jersey Wakefield (Select Stock). An improved strain of this celebrated Cabbage. Heads remarkably hard and solid; pyramidal in shape, generally pointed at the end, and having few outside leaves; excellent quality.....5c pkt., 20c oz., 60c ¼ lb.

Charleston Wakefield. An extra selected sort; will average about fifty per cent. larger in size than the old type of Wakefield, and is only a few days later.....5c pkt., 20c oz., 60c ¼ lb.

Improved Early Summer. A second early with large solid flattish heads, coming in a few days later than the Wakefield; a sure header.

5c pkt., 20c oz., 60c ¼ lb.

All Head, Early. The largest heading of the second early sorts, of excellent quality. The deep flat heads are remarkably solid, and very uniform in size, of a very compact growth, having few outer leaves.

5c pkt., 20c oz., 60c ¼ lb.

All Seasons. An early Drumhead Cabbage, yielding heads of the largest size. Very desirable, either for early spring, summer or fall use.....5c pkt., 20c oz., 60c ¼ lb.

Early Dwarf Flat Dutch. Large solid heads of fine flavor. An excellent variety.....5c pkt., 20c oz., 50c ¼ lb.

Improved Brunswick. An excellent second early, large heading Drumhead Cabbage. Produces a fine solid head of good quality.....5c pkt., 20c oz., 60c ¼ lb.



Charleston Wakefield.

We pay postage on Vegetable and Flower Seeds, except where noted. Farm seeds are sent by express or freight at purchaser's expense.

CABBAGE—Continued.



McCullough's Early Louisville.

McCullough's Early Louisville.

Originated in this market and is now the principal market variety all through this part of the country. It is highly esteemed by the market gardeners, and is said to stand hot weather better than other sorts; will stand the entire summer without bursting. Our Louisville forms large, solid heads, and is the earliest large-heading variety; while, if planted later, it makes excellent heads for winter. The quality is very fine and it is remarkable for its certainty to head. For winter use sow later in the season. We have received expressions of *unanimous praise* from all parts of the country, and could fill many pages of our catalogue with testimonials.....5c pkt., 25c oz., 75c ¼ lb.

The Genuine Louisville can only be obtained from J. M. McCullough's Sons.

Late or Winter Varieties.

McCullough's Premium Flat Dutch. As a variety for winter market, this has no superior. Heads large, round, solid, broad and flat on top. They open white and crisp, are tender and well-flavored. One of the best varieties for keeping. Our stock has been carefully selected for several years, and we are confident that no better strain is on the market.

5c pkt., 20c oz., 50c ¼ lb., \$1.50 lb.

Autumn King. One of the finest strains of late Cabbage. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves.

5c pkt., 20c oz., 50c ¼ lb., \$1.75 lb.

Danish Ballhead. The heads are of good marketable size, averaging about eight pounds, nearly round, solid and superior quality. As a keeper it excels all others, the heads when taken out in the Spring, being, in every way, in as good condition as when stored away.....5c pkt., 20c oz., 60c ¼ lb.

Large Late Drumhead. Extra stock. Is the "sauerkraut" Cabbage of the Germans. Grows to a large size, the flat, solid heads often weighing fifteen to twenty pounds. A sure header, good keeper and shipper.

5c pkt., 20c oz., 50c ¼ lb., \$1.50 lb.



McCullough's Premium Flat Dutch.

Savoy Cabbage.

They are particularly adapted to private use, where quality rather than quantity is desired. Grown in fall, and allowed to be touched by frost, it is one of the most delicious of all vegetables.

American Drumhead Savoy. Heads large and very finely curled; short stalk, and compact grower; an excellent keeper. Far superior to the ordinary imported Drumhead Savoy, seed of which we could supply at half the price.....5c pkt., 20c oz., 50c ¼ lb., \$1.50 lb.

Green Curled Savoy. Heads large, very solid and compact, of a yellowish-green color, and, like all others of the Savoy varieties, is of excellent flavor.....5c pkt., 20c oz., 50c ¼ lb., \$1.50 lb.

Red Cabbage.

Early Red Dutch Erfurt. Earlier than the Red Drumhead, but equally as valuable for pickling.....5c pkt., 20c oz., 50c ¼ lb., \$1.75 lb.

5c pkt., 20c oz., 50c ¼ lb., \$1.75 lb.

Mammoth Rock Red. The largest and most solid of the red varieties; a sure heading sort and tender.

5c pkt., 20c oz., 60c ¼ lb.



American Drumhead Savoy.

Red Dutch Drumhead. A large-heading variety, fine for pickling. The variety most sown, as it makes large, solid heads.

CAULIFLOWER. (Blumenkohl, Ger.)

One Ounce of Seed for 1000 Plants.

Sow for early use about the middle of September or October, in a bed of clean, rich earth. Transplant in frames and cover with sashes and shutters during severe weather, giving them light and air every mild day. When this is not practicable, they may be had nearly as well by sowing the seed in a hot-bed in January or February, and when the plants are large enough transplant three inches apart in boxes, or in other hot-bed, until time to plant out. If hardened off, they are seldom injured by planting out as early as the ground can be properly prepared. 2½ feet apart each way. Keep them well hoed, and bring the earth gradually up to their stems, watering freely in dry weather, and especially when they begin to head. The Cauliflower succeeds best when planted in frames at the close of winter, and brought to maturity before the summer heat sets in. The late varieties mature in the autumn, and are sown and managed similar to winter Cabbage.

Special Prices given to Market Gardeners and others who use large quantities of Seed.



McCullough's Earliest Dwarf Erfurt Cauliflower

McCullough's Earliest Dwarf Erfurt. Year after year this has become more popular, until leading market gardeners now grow it entirely, having discarded all the older varieties, as they find our strains of Erfurt to be the surest-heading. On account of its dwarf and compact habit, the plants may be set out twenty to twenty-two inches each way, so that from twelve to fourteen thousand can be planted on an acre. For pickling, it is the standard variety. The compact and solid texture of the snow-white heads, combined with delicious flavor, surpass all others.
25c pkt., \$1.00 ¼ oz.

Henderson's Early Snow Ball. (True.) An extremely early dwarf variety, producing magnificent white heads, of fine quality. Well adapted to hot-bed culture.

20c pkt., 90c ¼ oz., \$3.00 oz.

Dwarf Erfurt. This is a very fine strain, producing large, white, firm heads, very close, and of excellent quality. It is *extra early*, and *always certain to head*; is equally good for early and late planting. Our market gardeners are highly pleased with it.

10c pkt., 60c ¼ oz., \$2.00 oz.

Large Early Erfurt. This is a vigorous growing variety, with large, white, firm heads. One of the best sorts for a second or late crop.

10c pkt., 25c ¼ oz., 75c oz.

Early Paris. Heads large, white, compact and solid; tender and delicious; leaves large, stalks short.

5c pkt., 20c ¼ oz., 60c oz.

Lenormand's Short Stem. A large, late, short-stemmed variety, with well-formed white heads, of extra quality.

5c pkt., 20c ¼ oz., 60c oz.

Veitch's Autumn Giant. One of the finest late varieties, of robust habit. heads large, compact, and thoroughly protected by the leaves.....5c pkt., 20c ¼ oz., 50c oz.

CHICORY.

Large Rooted. Used to mix with, or as a substitute for, Coffee. Cultivation the same as for Carrots.....5c pkt., 10c oz.

COLLARDS. (Blatter Kohl, Ger.)

A species of Cabbage very popular in the Southern States. Cultivate in the same manner as Cabbage.

Georgia Grown.....5c pkt., 10c oz., 30c ¼ lb.

CRESS.

Sow thickly in shallow drills, early in the spring, and at intervals throughout the season, for a succession, as it soon runs to seed. Water Cress requires a stream of running water, ditch, or pond, in which it will grow without care, except at first keeping weeds from interfering with it.

Extra Curled, or Peppergrass. Fine flavor, and the best sort for dry soils.....5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Erfurt Water Cress. A most desirable and appetizing salad, thriving best in shallow water, on the edges of streams.

5c pkt., 35c oz.



All
Seeds
should be
Pressed Firmly
into the
Soil.

CORN SALAD, OR FETTICUS.

(Ackersalat, Ger.)

One Ounce will Sow 20 Square Feet.
Six Pounds for an Acre.

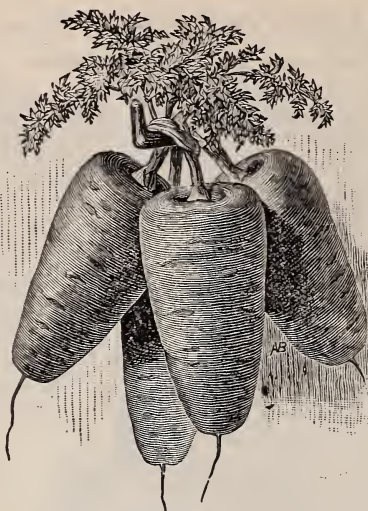
Used as a salad throughout the winter and spring, and extensively grown for market. Sow in spring, in drills one foot apart; it will mature in six to eight weeks. For winter and early spring use, sow in drills in August and September. Cover with straw on the approach of winter, the same as Spinach.

Large Seeded.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Seeds and Plants are now taken by leading Express Companies at a reduction of 20 per cent. from the regular rates for merchandise.



Early Scarlet Horn.



Chantenay.



Early Half-Long Nantes.

CARROT. (Mohre, Ger.)

One ounce will sow 100 feet of drill. Four pounds for one acre.

A light, sandy loam, well-tilled and manured the previous year, best suits the Carrot. For early crop, sow as early as the ground can be worked, in drills ten inches apart, and thin five inches in the rows. The French Horn, owing to its extreme earliness, is used for hot-bed culture. The late sorts, long and half-long varieties (main crop), sow from middle of May until first of July, in drills twelve to fourteen inches apart. Thin out to six and seven inches in a row. Keep the hoe at work. As Carrot seed is slow to germinate, all precautions must be taken.

French Forcing. The earliest variety. It makes a small, almost globe-shaped root, of an orange red color.....5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

Early Scarlet Horn. The favorite early red summer variety; fine grained and good flavor.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Danvers. A handsome, cylindrical-shaped Carrot of good size, and stump-rooted. It is of a rich dark orange color, grows to a large size, is smooth, and the flesh very close in texture, with little core. It is a first-class Carrot for all soils.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 70c lb.

Chantenay Half-Long Scarlet. A stump-rooted variety, somewhat resembling the well-known Nantes Carrot, but having a larger shoulder, and being much more productive.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 70c lb.

Half-Long Scarlet Nantes. A stump-rooted variety, having little or no core. Flesh red, and of fine flavor.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 70c lb.

Guerande or Oxheart. A thick Carrot, five inches long and very blunt at the lower extremity. It grows very rapidly, and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep red color.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 70c lb.

McCullough's Intermediate. The roots grow very regular and smooth; they are of good size, being from ten to twelve inches in length, and two to three inches in diameter at the top. Productive, rich color, sweet and tender flesh. Excellent variety for either field or garden.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 70c lb.

FIELD VARIETIES FOR STOCK.

These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than Turnips and nearly all animals like them and are benefited by them. The seed may be sown at any time in April until the end of May.

Improved Giant Short White. This is the heaviest cropping Carrot grown, yielding more tons to the acre than any other sort. The flesh is white, solid, crisp and very sweet, the roots are short and very heavy at the shoulder which allows them to be harvested very easily. They do not break easily in pulling or storing, owing to their solidity and shape. One of the most profitable Carrots; cattle and horses like it.

5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 50c lb.

Improved Long Orange. A standard late variety, handsome and uniform in shape; deep orange color, good flavor, yields heavily. It is of excellent table quality, and is highly nutritious for stock.

5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 50c lb.

Large White Belgian. The lower part of the root is white; that growing and exposed above ground, green. It is exclusively grown for stock.

10c oz., 15c $\frac{1}{4}$ lb., 50c lb.

Above Prices Include Postage. If Wanted by Express, Deduct Ten Cents Per Pound.



Intermediate.

CELERY. (Sellerie, Ger.)

One Ounce will produce about 2,500 plants.

To grow early Celery, sow the seed late in March in a hot-bed or box, and for later crops, in the open ground, as soon as the weather becomes warm, cover lightly, or, better still, roll or press it in. Shade the young plants for a week or ten days, and do not let the soil dry out. The tops may be shorn off once or twice before planting, so as to insure "stocky" plants, which will suffer less on being transplanted. When from four to six inches high, transplant into broad, shallow trenches, or on the level ground, setting the dwarf sorts into rows three feet apart, and the tall varieties four feet apart, and six inches apart in the rows. The soil should be light, highly manured, partially shaded and moist, or near water, as the plants must be freely watered in dry weather, but it should not be put directly on them. Earthing up checks growth, and should not begin until quite well grown, then earth up gradually, keeping the leaf stocks close together, so that the soil may not fall into the center of the plant, but never earth up in wet weather, nor when dew is on them. That intended for winter and spring use needs little banking; when stored for winter it will naturally bleach beautifully white.

McCullough's Paris Golden Yellow. The best Celery for early use. Its rich, golden, yellow color, close habit and compact growth, and greater than all, the readiness with which it is bleached and rendered marketable, makes it invaluable to the gardener and exceedingly popular with every planter. The entire stock is solid and crisp.

5c pkt., 30c oz., \$1.00 ¼ lb.

Golden Self-Blanching. An early, beautiful, and in every way desirable sort, requiring but little labor to blanch. The heart is a rich, golden yellow, with light, yellowish-green outer leaves. 5c pkt., 25c oz., 75c ¼ lb.

Golden-Hearted Dwarf. The most popular variety of all. Handsome color, medium size, fine flavor.....5c pkt., 20c oz., 60c ¼ lb.

Golden Rose Self Blanching. A distinct, early variety. Color, a beautiful rosy tinge, shading to pale pink at top of stalk; the ribs are prominent and the stem thick, solid and brittle; being of hardy nature, it possesses good keeping qualities. Very early, and positively self-blanching, it bleaches to a beautiful golden yellow at the heart. Excellent quality.....5c pkt., 30c oz.

Giant Pascal. A superior keeping sort. The stalks are very large, thick, solid, crisp, and of rich nutty flavor; it blanches very easily and quickly, and retains its freshness a long time. 5c pkt., 20c oz., 60c ¼ lb.

White Plume. We offer a choice strain of this valuable and popular variety. The White Plume is unsurpassed for fall and early winter use, requiring very little earthing

up to blanch it.
5c pkt., 20c oz.,
60c ¼ lb.

Pink Plume. A perfect White Plume in character, excepting color, which is of a delicate shade of pink, presenting a beautiful appearance with the white and yellow varieties. 5c pkt., 25c oz., 75c ¼ lb.

Boston Market. A great favorite around Boston. The stalks, when blanched, are nearly white. It is an excellent variety, solid, crisp and tender.....5c pkt., 20c oz., 60c ¼ lb.

Giant White Solid. The best of the large-growing sorts. It should never be planted closer than four feet between the rows, or it can not be worked properly. This variety is most suitable for Southern sections of the country, as it grows freely in a hot or dry atmosphere.....5c pkt., 20c oz., 60c ¼ lb.

Perfection Heartwell. This is one of the best varieties in cultivation; stalks long and thick, very compact, crisp, and of fine flavor. 5c pkt., 20c oz., 60c ¼ lb.

Evans' Triumph. The best late Celery. A strong and vigorous grower, with very large but crisp, brittle, tender and fine flavored stalks. Will keep longer than any other sort. 5c pkt., 30c oz., \$1.00 ¼ lb.

Dwarf Rose. The red sorts surpass the white in flavor and possess in their coloring a feature which renders them valuable as a table ornament. 5c pkt., 20c oz., 60c ¼ lb.

Soup, or Flavoring Celery. Used for flavoring pickles, sauces, etc.....5c oz., 15c lb.

CELERIAC, TURNIP ROOTED CELERY.

Sow early in spring. Transplant in May into rich, mellow soil in rows eighteen inches apart and six inches in the row. Water in dry weather; little or no earthing up is required. One ounce will sow fifty feet of row.

Large Erfurt. Roots, when sliced, and used with vinegar and oil, makes a delicious salad.....5c pkt., 15c oz.

Apple-Shaped. New large tubers, almost round and quite smooth.....5c pkt., 15c oz.



Paris Golden Yellow.



Giant Pascal.



Apple-Shaped.



Large Erfurt.

CORN—Sweet or Sugar.

One Quart will Plant 200 Hills. Eight to Ten Quarts for an Acre in Hills.

The Sweet or Sugar varieties being liable to rot in a cold or wet ground, should not be planted before May, or until the ground has become warm, and for a succession continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and then thin out three plants to a hill, or plant in rows 4 feet apart, and to stand eight inches apart in the rows



"OHIO MONARCH"
Sugar Corn.

Add Ten Cents Per Pint and Fifteen Cents Per Quart if to be Sent by Mail.

Adams' Extra Early. The hardiest and earliest variety for table use; can be planted earlier than any other, but is not a Sweet Corn.....5c pkt., 10c pint, 20c qt., \$1.00 peck.

Adams' Early. This is not a Sweet Corn, but is a tender white Corn for the table. It can be planted earlier than any Sweet Corn, and will be ready in sixty days.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Cory. The earliest Sweet Corn. The stalks are dwarf, but strong and hardy; generally two good ears to the stalk.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

White Cob Cory. An improved variety of the Cory Corn with uniformly *white cobs*. It is as early as the ordinary Cory, and will be preferred by many who object to the red cob sorts.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Early Minnesota. Very early, and desirable alike in the market or family garden. Ears of fair size and good quality.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Crosby's Early. A great favorite; productive and of excellent quality.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Moore's Early Concord. Ears large and well filled; early and unsurpassed for richness and delicacy of flavor.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Shaker's Early. Of larger size than usual for the early kinds. It is remarkable for fine flavor, sweetness and earliness, and is a desirable gardener's and canning variety.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Gold Coin. Yields two, and frequently three, mammoth ears to the stalk. The cob is snowy white, compactly covered with large, deep grains.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Black Mexican. A black-grained variety, sweet and tender; must be picked young to avoid a black appearance when cooked5c pkt., 10c pt., 20c qt.

Ohio Monarch. A cross between the well-known "Mammoth" and Stowell's Evergreen; it resembles the former in size of ear, but is fully twelve days earlier; like the Evergreen, it has a deep grain, and the advantage of remaining a long time in the green state, but far surpasses that standard variety in productiveness. The ears will average eight inches in length; the kernels are exceptionally tender and sugary.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Perry's Hybrid. An early twelve-rowed variety, growing only four or five feet high. Kernels white, large, sweet and very tender5c pkt., 10c pt., 20c qt., \$1.00 peck.

Egyptian. A fine large variety, somewhat resembling the Evergreen; flavor peculiarly rich and sweet, and of superior quality.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Country Gentleman. Will delight the most fastidious epicure, retaining its delicate tenderness and flavor even when a little old. The ears are not only of good size, but are produced in great abundance, averaging three good ears to the stalk. The cob is very small, giving great depth to the kernels, but the great merit is its delicious quality.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Stowell's Evergreen. Standard variety, both for home use and market, and is the general favorite. The ears are of a large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the Evergreen character of this best of all late sorts.....5c pkt., 10c pt., 20c qt., \$1.00 peck.

Zig-Zag Evergreen. It is very sweet and tender, remaining in the green state a long time.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

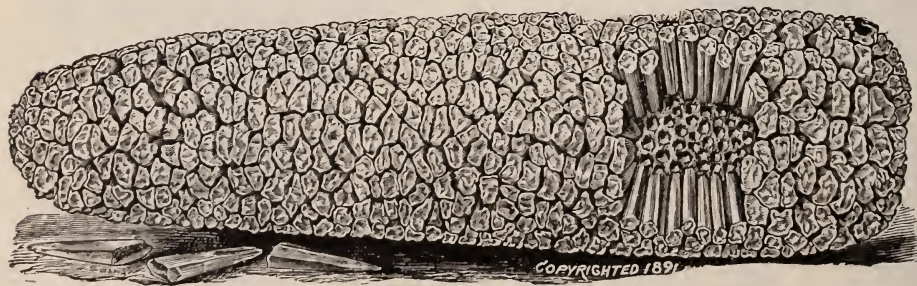
Mammoth Sugar. A late variety, producing ears of very large size and fine flavor. It is unusually productive.
5c pkt., 10c pt., 20c qt., \$1.00 peck.

Sweet Fodder Corn.

For soiling and green fodder. Sow 3 bushels to the acre, broadcast, or 1½ bushel in drills. 50c per peck, \$1.50 per bushel.

Field Corn and Popcorn.

(For list of varieties, see Farm Seeds, page 28.)



"Country Gentleman."

Special prices given to Market Gardeners and others who use Corn in large quantities.

CUCUMBERS. (Gurken, Ger.)

One ounce of seed for fifty hills. Two pounds for an acre.

For early use sow in hot-houses on small soils over-turned, or in small pots plunged in earth. As soon as danger from frost is over transplant with sod, so as not to disturb the plants, into hills in the open ground. For general crop sow from about the first to the middle of May in rich, mellow, warm soil. Use a shovel of well-rotted manure in each hill, and cover it two inches deep with fine earth. On this sow the seed, about eight or ten seeds to a hill; cover one-half inch with earth and press down. When danger from bugs is past, thin out to four plants to a hill. For pickles, plant from June to middle of July. Always pick the fruit when ready, even if not needed, otherwise the productiveness of the vine is destroyed.

THESE PRICES INCLUDE POSTAGE.

Improved White Spine. The favorite market variety, largely used for forcing, and extensively grown South for shipping North early in the season. The fruit grows from seven to ten inches long, is quite smooth, of a deep green color, and full at both ends.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

**Jersey Pickle.**

London, or Long Green. A standard late sort, crisp and tender, very prolific, excellent for the table, and makes a hard, brittle pickle.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Evergreen. It is very early, and the cucumbers retain their beautiful green color longer than any other sort. One of the best varieties for slicing, as it is crisp and of good quality; and as it produces fruit of medium size, it is good for pickling purposes.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Nichols' Medium Green. One of the best for pickling, and excellent for forcing or slicing. Always straight and smooth. In length it is between White Spine and Long Green.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Jersey Pickle. As a pickling variety, is unsurpassed. Its characteristics are, its uniform growth and its immense productiveness.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Early Cluster. A much-esteemed early variety, growing in clusters; is extremely productive.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Early Boston Market. Largely used about Boston by market gardeners. Very productive.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

**Long Green.**

Green Prolific. One of the best pickling varieties; dark green, tender, crisp, very productive; good for table use. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Cool and Crisp. The earliest and most prolific of all pickling cucumbers, and is certain to become a standard sort. While primarily a pickling variety, it is also most useful for slicing, the cucumbers, when fully matured, being of good size, and exceedingly tender and crisp.....5c pkt., 10c oz., 25c $\frac{1}{4}$ lb.

Early Frame. A good variety for pickling and table. Of medium size. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Japanese Climbing. Is suitable for growing either in frames or in the open air. It is very early and exceedingly productive. The fruit is excellent either for table or pickling.....5c pkt., 15c oz., 40c $\frac{1}{4}$ lb.

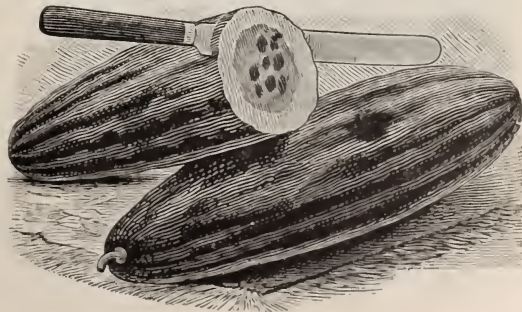
Gherkin. A very small, prickly variety, used exclusively for pickling, for which purpose they should be gathered while young and tender.....5c pk., 15c oz., 30c $\frac{1}{4}$ lb.

English Forcing Cucumber.

The best for forcing, attaining a length of twenty to thirty inches. They can be grown in hot-beds, where the temperature does not fall below 65° at night.

**Duke of
Edinburgh.**

Very large and long, dull green, quite smooth.....25c pkt.

**Cool and Crisp.****Evergreen Cucumber.**

Giant of Arnstadt. Good bearer.....25c pkt.

Telegraph. Free bearing, long and extensively grown. .25 cents pkt.

The packets of English Varieties contain ten Seeds each.

Seeds and Plants are now taken by leading Express Companies at a reduction of 20 per cent. from regular rates of merchandise.



New York Improved.

Broad Leaved Batavian. Leaves broad, light green, nearly plain, used in stews and soups.....5c pkt., 15c oz., 50c $\frac{1}{4}$ lb., \$1.50 lb.

EGG PLANT. (Eierpflanze, Ger.)

One Ounce will Produce About 1,000 Plants.

This is a very tender plant, and the seed requires the strongest heat to vegetate. Sow in a hot-bed very early in the spring, and when the plants are two or three inches high, transplant, so as to get stocky and well-rooted plants. Do not plant out until the weather becomes settled and warm. Give them a deep, rich soil, and full exposure to the sun. When they first germinate they are very sensitive to damp and to being chilled, and the amateur often fails to raise them, even with his own hot-bed. To obviate this we will have a supply of strong potted plants from the middle of May to the first of July.

New York Improved. This is the leading market variety everywhere. Plant is robust, the leaves and stems being thickly set with spines, which are not found to any extent on the other varieties.....5c pkt., 30c oz., 90c $\frac{1}{4}$ lb.

Long Purple. Very early. Good for general culture...5c pkt., 20c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

ENDIVE. (Endivien, Ger.)

One Ounce of Seed to 150 Feet of Row.

One of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use, or for late use in June or July. When two or three inches high transplant into good ground, or thin out to one foot apart. When nearly full grown, they must be blanched. This is done by gathering the leaves together, and tying with yarn or bass, to exclude the light and air from the inner leaves, which must be done when quite dry, or they will rot.

Moss Curled. It is excellent for winter use.

5c pkt., 15c oz., 50c $\frac{1}{4}$ lb., \$1.75 lb.

Green Curled. Very hardy, crisp and tender.

5c pkt., 15c oz., 50c $\frac{1}{4}$ lb., \$1.50 lb.

HORSE RADISH.

The best Horse Radish is produced from small pieces of roots four or five inches in length. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. By mail, 25c dozen; \$1.00 per hundred. By express (not paid), 15c dozen; 75c per hundred.

KOHL-RABI. (Turnip-Rooted Cabbage).

One Ounce of Seed for 1,500 Plants.

For an early crop, start in a hot-bed and treat the same as early Cabbage. For winter use, sow the middle of June. The stems just above the ground swell into a bulb, resembling a Turnip.

Early White Vienna. The flesh is white and tender.

5c pkt., 20c oz., 70c $\frac{1}{4}$ lb., \$2.25 lb.

Early Purple Vienna. Differs from the above in color.

5c pkt., 20c oz., 70c $\frac{1}{4}$ lb., \$2.25 lb.



Norwood Kale.

Dwarf Curled German. Leaves yellowish-green, finely curled.

Sow in September for winter and early spring use.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Dwarf Purple Scotch. Foliage of a deep purplish color, finely fringed and deeply curled, a very pretty decorative plant.

5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.



Green Curled Endive.

KALE OR BORECOLE. (Blaetter-Kohl, Ger.)

One Ounce to 100 Yards of Drill.

The Kales are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. Sow from May to June, and cultivate the same as Cabbage. For early spring use, sow in September, and protect during the winter.

Norwood Dwarf Curled. A beautiful curled and crimped sort, of strong, vigorous habit, attractive appearance and a bright green color. It is superior to all other sorts, and is, undoubtedly, the best for private gardens. It rarely exceeds twelve inches in height, but spreading out under good cultivation to two feet in diameter. It will stand out where the temperature does not fall below zero.

5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.



Dwarf Curled German Kale.

LETTUCE. (Lattich oder Garten Salat, Ger.)

One Ounce will Sow 150 Feet of Drill.

Lettuce thrives best in rich, moist ground. For the principal early crop, sow the seed in September in the open ground; transplant, when large enough, into cold-frames, and protect the plants during the winter in the same manner as early Cabbage; set the plants out early in April, or sow the seed in hot-beds in February or March, and transplant into a sheltering border with a southern exposure. For successive crops, sowing may be made in the open ground as early as the spring opens, and continuing until July. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow the seed thickly in rows or broadcast.

**McCullough's Nonpareil.**

Defiance Summer. A large-growing cabbage lettuce, uncultivated as a long-standing sort. The leaves are of light green color, and it remains for a long season tender and crisp.

5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Denver Market. This Lettuce is highly recommended, either for forcing or open ground; forms large solid heads of a light green color; is slow to seed. The leaves are curled and crimped, very crisp and tender.

5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Hanson Heads green, with white heart. Large size, crisp and tender.....5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Salamander. One of the best for summer use, forming good-sized, compact heads. Color, light green outside, and white inside.....5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Curled Varieties.

Black Seeded Simpson. One of the most popular sort. It forms large, loose leaves of ideal color; the leaves are large, thin, very tender, and of very good quality. It is one of the best sorts for use under glass as well as for early outdoor planting. Our seed of this has been most carefully selected, and we sell large quantities to market gardeners.

5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Early Curled Simpson. Does not head, but forms a close, compact mass of leaves; very early, excellent for forcing.

5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Grand Rapids. As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large, light yellowish-green leaves, slightly crimped and blistered and rather thin, which will stand shipping long distances better than most sorts.

5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Early Curled Silesian. Early, loose heads, curled, tender, and fine flavor.....5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Oak Leaved. Very distinct, excellent for summer use and for growing in the South, as it resists the greatest heat. 5c pkt.; 15c oz.; 40c ¼ lb.; \$1.00 lb.

Paris White Cos. Tender and crisp. One of the best varieties for blanching.....5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Trianon Cos. A self-blanching Cos Lettuce, very crisp and tender, and of excellent flavor. The leaves when bleached are stiff like celery stalks, and can be eaten in the same manner.

5c pkt., 20c oz., 40c ¼ lb., \$1.25 lb.

LEEK. (Lauch, Ger.)

Sow early in April, in drills one foot apart, and one inch deep. When the plants are six to eight inches high, transplant in a deep rich soil in rows twelve inches apart and six inches in the rows, as deep as possible, so that the neck may be covered and blanched. Draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.

Large American Flag. This is by far the best variety. It grows to a good size and is wonderfully uniform. This is preferred by our most critical market gardeners, and we can recommend it to all.....5c pkt., 20c oz., 60c ¼ lb., \$1.50 lb.

Head Varieties.

McCullough's Selected Nonpareil. The finest market variety to be found. Its beautiful yellowish-green color, crimped, curled, and well-formed heads, tender quality and sweet flavor, place it at the head of the list for the market gardener or for family use. It withstands the heat of summer and retains its sweetness for a longer time than any other variety we know.

5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Big Boston. Resembles the popular Boston Market, but is nearly twice as large; desirable for forcing in frames and for spring and fall outdoor planting.

5c pkt., 20c oz., 60c ¼ lb.

Boston Market. This is an improved variety of the Tennis Ball, and attains a large size. It grows very compact, is white and crisp, and is one of the very best varieties for forcing.

5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Brown Dutch. A dark, brown-spotted variety, remarkable for its hardness. The inner leaves are beautifully blanched, and very sweet and tender.

5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Silver Ball. This is one of the best all-the-year-round Lettuce. It is an excellent variety, as well for early spring and summer use as for winter forcing. The heads are silvery white, very firm and compact.....5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.

Tennis Ball, Black Seeded. A favorite forcing variety, forming a large head. It makes but few outer leaves, and for this reason can be planted quite closely under glass.

5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Tennis Ball, White Seeded. The sort so extensively grown for forcing and heading under glass; good size, firm heads, and very white and crisp. 5c pkt., 15c oz., 35c ¼ lb., \$1.00 lb.

Yellow-Seeded Butter. A distinct sort, making a compact yellow head, of excellent flavor, withstands heat well and remains crisp and tender. 5c pkt., 15c oz., 40c ¼ lb., \$1.00 lb.



MELON—Musk. (Zucker Melone, Ger)

One Ounce Will Plant About Sixty Hills. Two to Three Pounds in Hills Per Acre.

In selecting a patch for Melons, be careful to have it at a safe distance from your Squashes, Cucumbers, Pumpkins, etc., or they will certainly mix. In preparing the hills, fork in plenty of manure, and about the middle of May, when the ground is warm, plant in each hill eight or ten seeds, and cover half an inch deep. After the danger from bugs is over, pull all but three or four of the strongest plants. As soon as the vines have run sufficiently and spread their branches, stop them by pinching the top off the first running bud. This will strengthen the plants, and promote their perfecting fruit early. The ground should be kept free from weeds and frequently cultivated



Kinsman Queen.

THESE PRICES INCLUDE POSTAGE.

Kinsman Queen. Is the result of a cross between the "Emerald Gem" and an old variety of large size and excellent quality. It is first to ripen, being ten days earlier than the earliest Musk Melon we have ever tested. Large size. Will average three times as large as the "Emerald Gem." Nearly round in shape. Color, yellowish green outside, and is slightly ribbed and netted; flesh, deep salmon color, and is rich, juicy and delicious. The Kinsman Queen should be allowed to ripen on the vine, and none grown will give equal satisfaction on the table. Very productive; not a good shipper, but none will command as high a price in the home market.....5c pkt., 10c oz., 20c ¼ lb., 50c ½ lb., \$1.50 lb.

Acme. Fruit medium size, oval, slightly pointed at stem end, slightly ribbed, covered when ripe with coarse netting. Flesh thick, green, very fine flavored and sweet.
5c pkt., 10c oz., 20c ¼ lb., 65c lb.

Bay View. One of the largest Musk Melons in cultivation. Very prolific; flesh green and sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Banquet. Round, densely netted; flesh salmon in color and very sweet.....5c pkt., 10c oz., 20c ¼ lb., 65c lb.

Casaba. Oval shape, sweet and delicious.

5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Columbus. This very attractive variety combines in a high degree sweetness and fine keeping and cropping qualities. Its beautiful buff skin is covered with a very thin whitish netting; flesh green, very solid and thick.....5c pkt., 10c oz., 20c ¼ lb., 65c lb.

Early Netted Gem. Very early, small, coarsely netted green flesh, fine flavored.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Emerald Gem. Extra early, small, skin dark green, flesh orange, very sweet.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Green Citron. Medium size, deeply netted, nearly round, of delicious flavor.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Extra Early Hackensack. A careful selection from the Hackensack, and with fruit much like the parent in shape and quality of the flesh, but ready for market ten days earlier.....5c pkt., 10c oz., 20c ¼ lb., 65c lb.

Hackensack. One of the best, of large size and attractive appearance; very productive, and excellent flavor.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Improved Cantaloupe. A first-class, early, large, round market sort, sweet, and of good flavor.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Improved Green Nutmeg. A large melon, nearly round, deeply ribbed, flesh remarkably thick; light green; of delicious flavor.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Melrose. One of the best Melons for the home and market. The flesh is thick, solid, and of light green color.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.



Extra Early Hackensack



Montreal Market. Largest of the nutmeg varieties; uniform in shape; netted; flesh green; fine quality.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Osage or Improved Miller's Cream. Medium sized, dark green in color. Flesh deep salmon color, very thick and of splendid flavor.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Princess. Is quite large, dark green skin, heavily netted, small seed cavity; flesh thick, of a rich orange color, very sweet, and of a delicious flavor.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

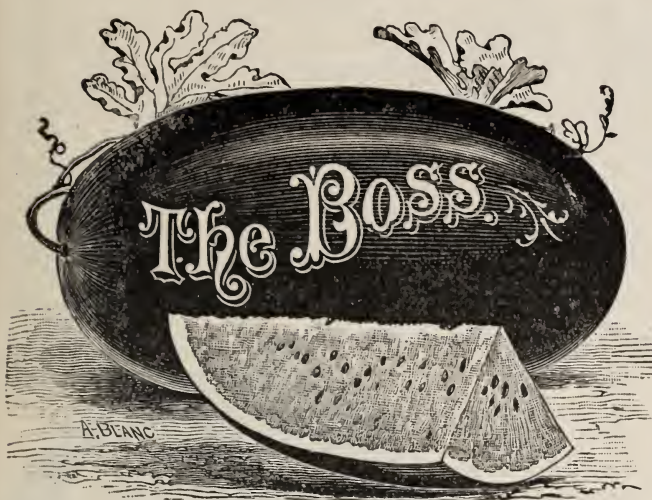
Rocky Ford.

A variety extensively grown in Colorado, and shipped to various Eastern points. The reason for the wide-spread popularity of these melons is two-fold. First, its superb table qualities, being firm, sweet and remarkably solid. Second, its wonderful shipping qualities, which enable it to be carried great distances, and yet arrive in first-class condition for market. The fruit is of medium size, oval shaped, heavily netted and very solid. The flesh is green, thick and juicy. It is very early and wonderfully productive.

5c pkt., 10c oz., 40c ¼ lb., \$1.25 lb.

MELON—Water. (Wasser Melon, Ger.)

One Ounce for 30 Hills. 4 to 5 Pounds in Hills for an Acre.



In order to raise Water Melons, a rich, sandy soil, or a sandy loam, is required. Prepare, plant, and manage it the same as Musk Melons, only have the hills a greater distance apart—say seven to eight feet each way. If large Melons are desired it is well to pinch off all but two or three from each vine.

THESE PRICES INCLUDE POSTAGE.

Black Spanish. Fruit medium size, almost round; skin, dark green; flesh red, sweet and delicious.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Boss. Color dark green, flesh unusually deep scarlet; rind very hard, but thin; quality of the best.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Cuban Queen. One of the largest varieties, ripening to the very centre, heavy cropper, flesh bright red, tender and melting, luscious, crisp, and very sugary.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Dark Iceberg, or Ice Rind. It is a very solid sort, with a thin rind, and possesses most delicious flavor.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Dixie. A cross between the Kolb Gem and Mountain Sweet, surpassing the former in earliness, productiveness and shipping qualities, and fully equaling the latter in quality and fine flavor. It has a remarkably hard but very thin rind. Good keeper.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Florida Favorite. Oblong in shape, growing to large size; rind dark, with light green stripes; flesh light crimson, crisp and deliciously sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

5c pkt., 10c oz., 20c ¼ lb., 60c lb.



Mountain Sweet. Early, large, oblong, dark green, thin rind, flesh red, solid, rich and sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Peerless, or Ice Cream. Of medium size, skin light mottled green; flesh bright scarlet, solid, crisp, melting, and exceedingly sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Phinney's Early. Flesh deep red, of very superior quality; early and productive; a valuable market variety.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Pride of Georgia. It is dark green in color, almost oval in shape. An excellent shipping variety, of large size. Flesh crisp and sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Rattlesnake, or Gypsy. Fruit large, oblong, striped; flesh red. An excellent variety for market.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Sweet Heart. Fruit large, oval, very heavy, uniformly mottled light and dark green, rind thin but firm, flesh bright red, firm, solid but very tender, melting and sweet.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Wonderful. Without a single exception, this is the sweetest Water Melon of all. The Melons attain a great weight, are of very handsome appearance, never crack or lose their fine flavor in the wettest season. It is a very productive and hardy variety and one that will take the lead wherever known.
5c pkt., 10c oz., 20c ¼ lb., 75c lb.

Colorado Preserving Citron. This variety combines all the best characteristics of a Preserving Melon, and often attains a weight of 20 pounds; flesh white and very firm.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Farm Seeds are sent by express or freight

Improved Ironclad. Of large size and great weight, flesh deep red and of delicious flavor.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

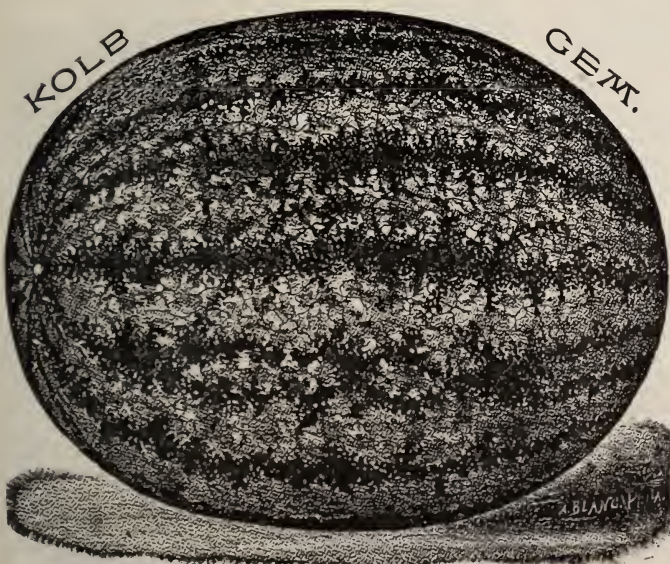
Jones. This is a splendid melon. The color of the skin is solid green, and the flesh is a very bright red, particularly sweet, juicy and melting. It grows to a large size. One of the best shipping sorts.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Jordan's Gray Monarch. Large size; the skin is a mottled gray; shape long; flesh bright crimson and of sweet, delicious flavor. It is also a fine shipper.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

Kentucky Wonder. A distinct variety; shape oblong, attaining a good size, skin dark green and beautifully marked. Flesh a beautiful rich scarlet color, crisp, rich, sugary, always firm and solid, never mealy or tough.
5c pkt., 10c oz., 20c ¼ lb., 70c lb.

Kolb Gem. One of the largest, and an excellent shipper. Of a delicious, sugary, flavor, bright red flesh, firm and solid. Productive and a good keeper.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.

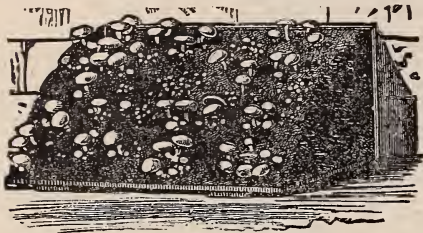
Light Iceberg. Fruit medium size, round, very light green, mottled with darker green. Flesh light red, very sweet and tender.
5c pkt., 10c oz., 20c ¼ lb., 60c lb.



We pay postage on Vegetable and Flower Seeds except where noted, at purchaser's expense.

MUSHROOM. (Champignon-Brut, Ger.)

One Pound will Spawn About Ten Square Feet. If Ordered by Mail, add Eight Cents Per Pound for Postage.



To cultivate mushrooms successfully does not always require extensive experience. Some care is necessary, however, in the selection of the materials, and in forming the beds; but the matter of securing and maintaining the proper temperature in the room and in the beds needs close attention, for success depends very much upon this point. Mushrooms may be grown in a great variety of situations—a dark room, cellar, stable or elsewhere. Any place in which an even temperature of about 50° to 60° can be kept, is suitable. For material for the bed, use fresh horse-manure, free from straw or chips, and good loamy soil. Some growers use the manure unmixed with loam, after first having well fermented it by alternately piling up and mixing for a few weeks; but it is undoubtedly better not to allow the manure to heat much before forming the bed. Use one-fourth to one-third loam; the rest manure. Mix very thoroughly; and upon a dry, firm bottom, make the bed of this mixture, about four feet wide, and of any desired length. Build it up evenly, pressing it down very firmly, and leave it about a foot high. It will shortly begin to heat. Use a thermometer to thrust into the bed, and note the temperature. When the heat has partially subsided, leaving a temperature of 80°, put in the spawn. Pieces from the size of walnuts to that of eggs are placed in the bed about a foot apart, deep enough to cover them well, and the manure pressed down. Let it remain thus ten or twelve days; then cover with two inches of fresh loam, and make this moderately firm. The bed is finished by covering all with four or five inches of straw or other litter. Watering is not necessary, unless the surface of the bed gets very dry; in this event, moisten freely with water at a temperature of about 90°. In gathering the crop, do not cut, but twist them off carefully, filling up the holes with loam to keep insects from the roots. In six or eight weeks from spawning the beds, mushrooms should appear.

Our Celebrated English Milltrack Mushroom Spawn (made by the best maker in England especially for our trade) has gained an enviable reputation among critical growers for its uniform good quality, and can be thoroughly relied on to produce a good crop of the best mushrooms.....15c per lb.; \$1.00 for 8 lbs.; \$10.00 per 100 lbs.

French Mushroom Spawn.....5c per lb.

MARTYNIA. (Temfenhorn, Ger.)

The seed pods are used for pickling, when gathered young and tender. Sow in the open ground in May, in hills three feet apart each way, or in a hot-bed, and afterwards transplant.

Martynia Proboscidea.....5c pkt., 25c oz.

NASTURTIUMS.

Four Ounces of Seed to One Hundred Yards of Row.

Cultivated both for use and ornament. The seed pods, which resemble capers, are gathered while green and tender for pickling, and the leaves are used for mixing with salads. Sow early in the spring, in drills about one inch deep, in light rich soil; when all danger of frost is over, train the Tall on brush, trellises or fences, and grow the dwarf in beds.

Tall Mixed.....5c pkt., 10c oz., 30c ¼ lb., (\$1.6) lb.

Dwarf Mixed.....5c pkt., 15c oz., 40c ¼ lb., \$1.20 lb.

OKRA, OR GUMBO. (Ocker, Ger.)

This vegetable is grown extensively in the Southern States. Its long pods, when young, are used in soups, stews, etc., and are believed to be very nutritious. It is of the earliest culture, and grows freely, bearing abundantly in any garden soil. It is sown at the usual time of all tender vegetables, in drills two inches deep, setting the plants from two or three feet apart.

White Velvet. The pods are round and smooth, and are much larger than those of any other Okra, are never prickly to the touch, and are produced in the greatest abundance.
5c pkt., 10c oz., 25c ¼ lb.

Improved Dwarf Green. This variety has long, slender pods, very early, productive, and only grows fourteen inches high.....5c pkt., 10c oz., 25c ¼ lb.

ONIONS. (Zwiebel, Ger.)

One Ounce for 100 Feet of Drill. Six Pounds for One Acre.

For sets, sow the seeds as early as possible in the spring, very thickly, in drills. As soon as the tops die off in summer, remove them to a dry, airy place; and early in the following spring re-plant by placing the sets in shallow drills twelve inches apart, and about four inches apart in the drills; the onions, by this process, are obtained of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart, and about ¼ inch deep, in March or early in April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground.

By sowing Onion Seed in frames in February or March, and transplanting in April, onions of immense size can be obtained. For this purpose the varieties Southport Globe white, yellow or red) and Prizetaker are usually preferred.

MUSTARD. (Senf, Ger.)

One Ounce will Sow About 80 Feet of Drill.

A pungent salad, used sometimes with cress. Sow thickly in rows, and cut when about two inches high.

White English. Best for salads. 5c pkt., 10c oz., 15c ¼ lb., 35c lb.

Chinese. Leaves twice the size of the white; flavor sweet and pungent.....5c pkt., 10c oz., 25c ¼ lb., 75c lb.

ONION SETS.

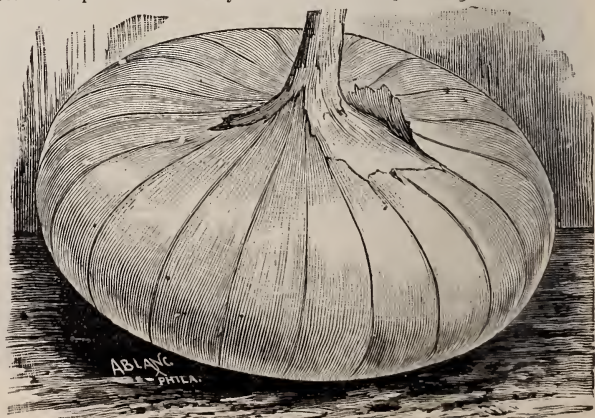
These are valuable for early use, and where onions from seed can not be raised the first year.

Onion Sets should be planted out as early in spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart. When raised from sets the onions can be used in the green state in June, or they will be ripened off by July.

Our Onion Sets have been kept in good condition, and are re-cleaned.

White Onion Sets.....	} 30c per quart, by mail. Price per peck and bushel on application.
Yellow Onion Sets.....	
Potato Onions.....	
Top, or Bottom, Onions.....	
White Multiplier Onion Sets.....	

To raise onion sets from seed, use good ground prepared as for large onions, and sow the seed very thick in broad drills forty to sixty pounds per acre. If the seed is sown thin, the bulbs will not only be too large for sets, but will not be of the right shape, and if sown thick on poor land, they will be necky or bottle-shaped. When onion seed is sown for sets, the seed may be planted somewhat later than for large bulbs, but fine crops are more likely to come from early sowing



Mammoth Silver King.

ONION SEED.—Continued.

THESE PRICES INCLUDE POSTAGE.

Yellow Globe Danvers. This is the standard variety everywhere, its earliness, uniform shape, small neck, bright yellow color and fine quality commending it to all. It is an excellent keeper and one of the most desirable sorts.....5c pkt., 15c oz., 50c ¼ lb., \$1.50 lb.

Yellow Danvers. Bulb of good size and flat; the standard yellow onion for market or home use, being both early and an enormous yielder, as well as good keeper.....5c pkt., 15c oz., 40c ¼ lb., \$1.35 lb.

Yellow Dutch, or Strasburg. The leading market variety, a good keeper and well flavored; bright straw-colored skin and somewhat flattened shape; extensively grown for sets.....5c pkt., 15c oz., 50c ¼ lb., \$1.50 lb.

Southport Yellow Globe. A very large, handsome, globular-shaped, yellow variety, very productive, of mild flavor, excellent keeper.....5c pkt., 15c oz., 50c ¼ lb., \$1.75 lb.

Early Red Globe. A very handsome variety, and deserving of general cultivation. It matures very early, grows to a good medium size, and keeps well; skin deep red; flesh fine grained; flavor mild.....5c pkt., 20c oz., 75c ¼ lb., \$2.50 lb.

Large Red Globe. An exceedingly handsome and desirable variety, and is deserving of general cultivation. It matures quite early, grows to a large size; skin deep red; flesh fine-grained, mild and tender.....5c pkt., 25c oz., \$1.00 ¼ lb., \$3.50 lb.

Large Red Weathersfield. The most popular red variety for main crop. It makes a large, thick bulb, crops abundantly, ripens early and sells readily on all markets where a red onion is wanted. Our seed is extra selected5c pkt., 15c oz., 50c ¼ lb., \$1.50 lb.



White Portugal, or Silverskin. A large, flat onion of mild flavor; fine for early winter use, and much esteemed for pickling.....5c pkt., 20c oz., 75c ¼ lb., \$2.50 lb.

Large White Globe. This is one of the finest onions in cultivation, both in appearance and quality. It is large, globe-shaped, firm, fine grained and of excellent flavor, and commands a higher price in the market than any other white onion grown.....5c pkt., 25c oz., 90c ¼ lb., \$3.00 lb.

White Barletta. A very early, small, pure white variety, having a very delicate silver skin, flesh firm and mild in flavor. Its great merit over all others is its extreme earliness. For pickling purposes it is unequalled.....5c pkt., 20c oz., 60c ¼ lb., \$2.00 lb.

The Queen. A handsome silver-skinned variety; esteemed for its rapid growth, mild flavor and fine keeping qualities.....5c pkt., 20c oz., 60c ¼ lb., \$2.00 lb.

Mammoth Silver King. Single Onions of this variety, grown from seed the first season, have weighed as much as three pounds. It matures early, is a white-skinned and white-fleshed variety, flat shape, and of a mild and delicate flavor.....5c pkt., 20c oz., 65c ¼ lb., \$2.25 lb.

Prize Taker. This is the large beautiful Onion that is seen every fall offered for sale at the fruit stores in New York and other large cities. They are rich straw color and of enormous size, averaging 12 to 14 inches in circumference. Although of such great size it is very hard and an excellent keeper.....5c pkt., 20c oz., 60c ¼ lb., \$2.00 lb.

Mammoth Pompeii or Giant Red Garganus. This fine Italian variety has produced Onions weighing 4 to 5 lbs. each. The skin is a delicate red, flesh close grained, nearly white, and of a very mild flavor.....5c pkt., 20c oz., 60c ¼ lb., \$2.00 lb.

PARSLEY. (Petersilie, Ger.)

One Ounce to 150 Feet of Drill.

Used for garnishing and seasoning soups, meats, etc. Succeeds best in a mellow, rich soil. Sow thickly early in April, in rows one foot apart and one-half inch deep; thin out the plants to stand six inches apart in the rows. The seed is of slow germination, taking from three to four weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker, soak the seed a few hours in warm water or sprout in damp earth, and sow when it swells or bursts. For winter use protect in a frame or light cellar.

Moss Curled. Fine for garnishing. 5c pkt; 10c oz; 20c ¼ lb; 60c lb.

Extra Double Curled. A very select stock, beautifully crimped and curled.....5c pkt., 10c oz., 25c ¼ lb., 75c lb.

All
Seeds
Should
be
Pressed
Firmly
into
the
Soil

Moss
Curled
Parsley.



"Prizetaker" Onion.

PARSNIP. (Pastinake, Ger.)

One Ounce for 200 feet of Drill. 5 to 6 Pounds for an Acre.

Sow seed early in the spring, in deep, rich soil in drills. Scatter the seeds thinly and cover evenly with the rake. After the appearance of the plant the soil must be stirred frequently until the leaves cover the ground. The seed is slow to germinate, and is frequently a long time in coming up; will vegetate sooner by steeping six to twelve hours in a liquid manure, diluted with water, and mixed with sand before sowing. When well up thin out to five or six inches apart in the rows. Unlike Carrots, they are improved by frost, and it is usual to take up in fall a certain quantity for winter use, leaving the rest in the ground till spring, to be dug as required.

THESE PRICES INCLUDE POSTAGE.

Long Smooth Hollow Crown. We believe this is the finest stock of Parsnip that can be procured. The roots run of uniform size and are smooth. The growing taste for this delicious vegetable will make this improved strain particularly desirable. 5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Student. A good half-long variety, smooth, sweet and of delicate flavor. 5c pkt., 10c oz., 20c ¼ lb., 50c lb.

PEPPER. (Pfeffer, Ger.)

One Ounce of Seed for 1,500 Plants.

Sow early in the spring in hot-beds, if possible, and transplant to the open ground when the weather is favorable, or sow in drills in warm, mellow soil, late in the spring, and then thin out so as to stand eighteen inches apart. For the convenience of those who only desire a few plants, and do not wish the trouble of starting them, we will have a supply of strong, healthy plants in pots ready by the middle of May.

New Celestial. It is not only a most useful Pepper, but one of the most beautiful plants in existence. The plant begins to set in peppers early in the season, bearing profusely. The peppers are two or three inches long, of clear, sharp flavor. Color, creamy yellow, and, when fully grown, changes to an intense, vivid scarlet. 5c pkt., 25c oz., 75c ¼ lb.

Golden Dawn. Of same shape and size of Large Bell, but of more delicate flavor; color, yellow. 5c pkt., 25c oz., 75c ¼ lb.

Large Bell, or Bull Nose. Large and early, rind very thick, color, gloss-red, flavor mild and pleasant. 5c pkt., 25c oz., 75c ¼ lb.

Long Red Cayenne. From 3 to 4 inches long, of bright-red color, very productive and hot. 5c pkt., 25c oz., 75c ¼ lb.

Ruby King. Has attracted much attention. Of larger size than the Spanish Monstrous, and different shape. Fruit 5 to 6 in. long, and about ¾ in. through; bright red color. Remarkably mild, pleasant flavor; no fiery taste. Both productive and profitable. 5c pkt., 25c oz., 75c ¼ lb.

Spanish Monstrous. Large single peppers, often growing six to eight inches long and two to three inches thick; early, and most productive; flesh very sweet and mild. 5c pkt., 25c oz., 75c ¼ lb.

Sweet Mountain. For Mangoes. Similar in shape to the Bell, but grows larger, rind thick, tender and fleshy. Used for pickling. 5c pkt., 25c oz., 75c ¼ lb.



Ruby King.

***Eclipse.** Vine two feet, vigorous; green wrinkled, of most delicious flavor. Owing to earliness, productiveness, quality, height of vine, this is destined to be the coming pea of America as well as most desirable for the market gardener. 5c pkt., 15c pt., 30c qt., \$2.00 peck.

***Gradus.** Will yield an abundant supply of the most delicious, large, wrinkled peas much EARLIER than any other wrinkled variety, and only three or four days after the best stocks of the small round extra earlies. It is the earliest large-podded pea in cultivation, while the peas are of most superior quality, both in size and delicious flavor. The vine has heavy stems, with large dark-green leaves, and grows 2½ feet in height. It produces uniformly large pods, measuring four to four and one-half inches long, nearly round, and well filled with large, handsome peas. 10c pkt., 25c pt., 40c qt.



Long Smooth Hollow Crown.

PEAS. (Erbsen, Ger.)

One Quart to 100 Feet of Drill. 1½ Bushel per Acre.

Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow all the varieties quite early, and depend for succession upon the different times of ripening of the various sorts, or from the first sowing, sow every two weeks until June for a succession. After that there is danger of mildew. Discontinue then until August, when a planting of extra early or early sort will often produce a good crop. Sow the seed in single drills, three feet apart for dwarf sorts, and four for tall sorts, or in double drills six or eight inches apart, one inch apart in the drill, and not less than four inches deep, or for the late sorts seven to eight inches deep, since deep planting prevents mildew and prolongs the season. Cultivate well, and draw the earth twice to the vines during growth. Stake the tall varieties when they begin to vine. Pick the pods as soon as fit, and allow none to ripen on the vines, as they will then cease bearing.

Wrinkled varieties are marked thus*.

Add Ten Cents per Pint and Fifteen Cents per Quart if to be Sent by Mail.

Extra Early Varieties.

Bull Nose.

PEAS.—Extra Early Varieties Continued.

"MAUD S."

The Earliest and Most Prolific Pea Known.

For several years past, we ourselves, and also many of the largest and most experienced truckers, have made comparative trials with other leading brands of extra early Peas, and in every case McCULLOUGH'S MAUD S. was the first ready to pick by from three to five days. The pod is of a dark green color, of a full round shape, and of strong texture, which especially fits it for shipping long distances. It does not require stakes or brush of any kind for support. It is an even cropper, and can be gathered clean in two pickings. For a late fall crop it has few equals, and is the market gardener's favorite for all seasons. The far northern point at which our Peas are grown renders them almost proof against cold, and the best for early spring or late fall crop. While thousands of market gardeners have pronounced this Pea UNEQUALLED IN EARLINESS, YIELD, AND REGULARITY OF GROWTH, and in every sense a perfect trucker's pea. Make first planting as early in the spring as the ground will permit, and cover well. 5c pkt., 15c pt., 25c qt., \$1.00 peck.

***American Wonder.** This variety stands unrivaled in point of flavor and quality. It is dwarf, and robust in habit, growing from ten to fifteen inches in height, according to the soil. 5c pkt., 15c pt., 25c qt., \$1.50 peck.

***McLean's Little Gem.** A green wrinkled variety. It grows from twelve to eighteen inches high, is very prolific and of excellent flavor. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Extra Early Premium Gem.** A very fine dwarf Pea of the Little Gem type, on which it is a great improvement. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Nott's Excelsior.** A new dwarf wrinkled Pea of the highest excellence. More vigorous and a trifle taller than the American Wonder, and producing a greater quantity of peas than either the Wonder or Premium Gem, and fully as fine quality. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

Alaska. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color. Height two feet. 15c pt., 25c qt., \$1.00 peck.

Early Daniel O'Rourke. Was at one time considered the earliest market variety. Height 2½ feet. 10c pt., 20c qt., \$1.00 peck.

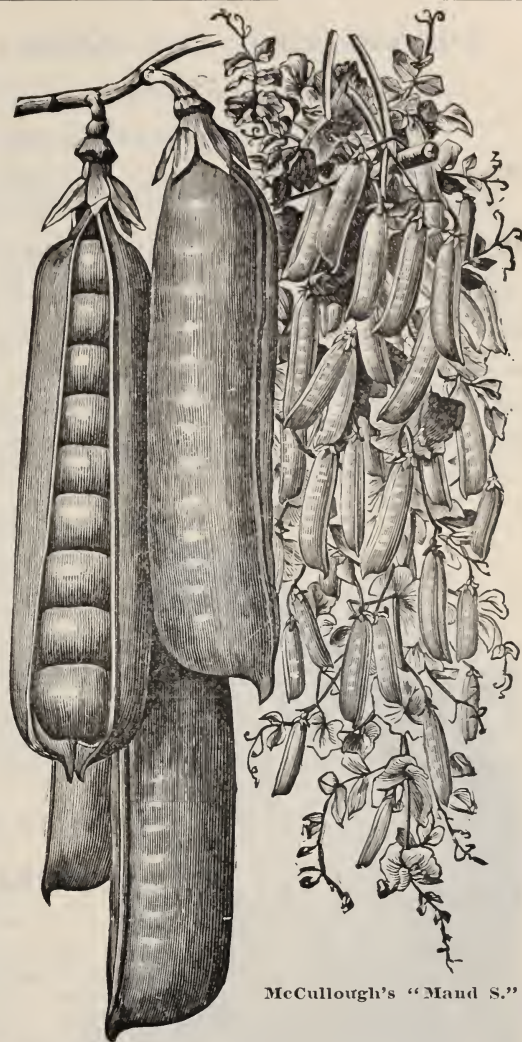
Philadelphia Extra Early. An excellent early variety. Height 2½ feet. 10c pt., 20c qt., \$1.00 peck.

Early May. An old standard sort. Height 2½ feet. 10c pt., 20c qt., \$1.00 peck.

Tom Thumb. An old well-known sort, very dwarf. Height 10 inches. 15c pt., 25c qt., \$1.25 peck.

Blue Peter (McLean's). A form of Tom Thumb, having blue seed. Height 1 foot. 15c pt., 25c qt., \$1.25 peck.

***Laxton's Alpha.** The earliest of all the medium height wrinkled Peas, of fine quality and very prolific. 15c pt., 25c qt., \$1.25 peck.



McCullough's "Maud S."

SECOND EARLY VARIETIES.

***McLean's Advancer.** A second early variety, and now a great favorite with growers in this neighborhood. 5c pkt., 10c pt., 20c qt., \$1.00 peck.

***Bliss Abundance.** Pods 3 to 3½ inches long, roundish and well filled, containing six to eight large wrinkled peas of excellent quality. Many plants throw out six branches, each of which becomes covered with blossoms and pods; 18 inches high. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Horsford's Market Garden.** A grand wrinkled variety, coming in between Little Gem and Advancer. The vines are 2 feet high, very regular in growth. It is a prolific bearer. The pods, although of medium size, are numerous, and are literally packed with peas of a delicious, sweet flavor. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Heroine.** Medium early; seed, green wrinkled; height 2 feet; producing a remarkably handsome curved pod, well filled with large peas of good flavor. Much more uniform in its growth than most dwarf peas. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Shropshire Hero.** This valuable new second early Pea is a decided improvement on the old Yorkshire Hero. It is a very handsome wrinkled Pea, uniformly growing about 2½ feet high; very prolific; excellent quality. 5c pkt., 15c pt., 25c qt., \$1.50 peck.

LATE OR MAIN CROP VARIETIES.

***American Champion.** It is one of the largest of all peas, enormously productive, and its flavor and quality closely approach that of the well-known Champion of England. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Everbearing.** A first-class pea for summer and autumn use, pods three to four inches long, and contains six to eight peas of rich flavor, very sweet and tender. Owing to its remarkable branching habit it remains in bearing an unusually long time; 2 feet. 5c pkt., 15c pt., 25c qt., \$1.25 peck.

***Improved Champion of England.** This is yet, by general consent, acknowledged to be the best of the late varieties. It is a tall-growing sort, attaining a height of five feet, and requires to be staked up. The pods and peas are of the largest size. 5c pkt., 10c pt., 20c qt., \$1.00 peck.

***Pride of the Market.** A medium early dwarf pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 peas of fine quality. This variety will doubtless come rapidly into favor; 1½ feet. 5c pkt., 15c pt., 25c qt., \$1.75 peck.

***Telephone.** Immensely productive, of the finest quality, and excellent sugar flavor; vines very strong, averaging 18 to 20 pods per stalk; the pods are of large size and closely packed with large delicious peas; 4 feet. 5c pkt., 15c pt., 25c qt., \$1.50 peck.

Market Gardeners and Others Who buy Seeds in large quantities are requested to write for Special Prices, naming quantity desired. While the prices quoted in this Catalogue are very reasonable, yet, frequently, we have orders for large quantities of certain Seeds, such as Beans, Peas, Corn, Cabbage, Cucumber, Carrot, Onion, Melon, etc., and the purchaser naturally expects to buy at a price lower than that charged for a single peck or pound.

Add Ten Cents Per Pint and Fifteen Cents Per Quart for Postage.

PEAS—Late or Main Crop. Continued.

THOSE MARKED THUS * ARE WRINKLED VARIETIES.

Add Ten Cents Per Pint and Fifteen Cents Per Quart for Postage.

***Telegraph.** It is a fine second early variety, very robust in habit, bearing immense pods. Peas often being so close together as to appear to be forming a double row in the pods. The peas, when cooked, are of a fine, deep green color. A great bearer and of fine flavor. Height, 5 feet.

5c pkt., 15c pt., 25c qt., \$1.75 peck.

***Stratagem.** By many this variety is considered the best of the recently introduced English Peas. It is a dwarf, wrinkled, blue marrow, a very heavy cropper, and produces large, remarkably well-filled pods of excellent flavor. Height, 2 feet.....5c pkt., 15c pt., 25c qt., \$2.00 peck.

***Yorkshire Hero.** A wrinkled variety. Hardy, productive, and unsurpassed for sweetness and delicious flavor. Grows three to four feet.....5c pkt., 15c pt., 25c qt., \$1.25 peck.

Large White Marrowfat. A favorite variety; large well-filled pods; 5 feet.

5c pkt., 10c pt., 15c qt., 75c peck.

Black-Eyed Marrowfat. This and the White Marrowfat are extensively grown as field peas, as they are hardy, productive, and bear well-filled pods; 4 feet.....5c pkt., 10c pt., 15c qt., 75c peck.

Dwarf Sugar. Edible pods. Can be used in a green state like String Beans. Height, 5 feet.

5c pkt., 20c pt., 35c qt.

Melting Sugar. This new variety grows to the height of five feet, bears a profusion of very large, broad, handsome, light green (nearly white) pods which are generally found in pairs, and are so brittle that they snap without any strings. Sweet and tender; cooked like wax beans.

5c pkt., 20c pt., 35c qt.

Canada Field. For the Northern States there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the Peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture. Like all leguminous crops, Peas have the power of extracting nitrogen from the air, and the soil from which a crop of Peas has been harvested is richer in nitrogen than before the Peas were sown upon it, and there is no kind of live stock on the farm to which Peas and Oats in mixture can not be fed with positive advantage.

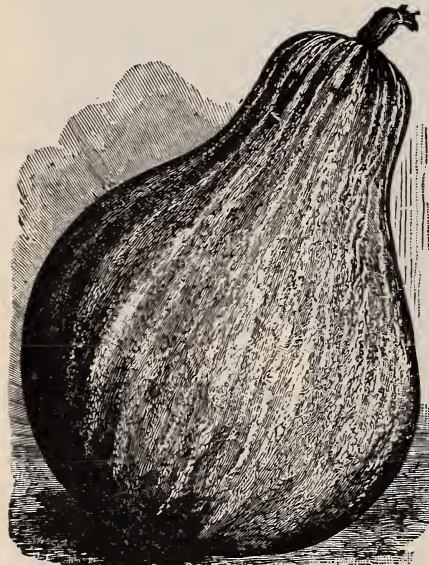
10c qt., 40c peck, \$1.15 bushel.

Write for Special Prices on Large Quantities.

PUMPKIN. (Kuerbis, Ger.)

One Ounce for Fifteen Hills.

They are generally planted in cornfields, but they can not grow as large or fair as if the vines were not shaded. A good plan would be to plant a few seeds in the potato patch, as they are less apt to injure the crop of potatoes than the corn. Avoid planting near other vines, as they will hybridize.



Tennessee Sweet Potato Pumpkin.

Cashaw Crook-Neck. Grows to a medium size; flesh light yellow, and is the best variety for table use.....5c pkt., 10c oz., 25c ¼ lb., 75c lb.

Calhoun. The outside is a creamy brown; the inside flesh is a deep salmon yellow; the flesh is wonderfully thick and fine-grained; and the seed cavity very small. It cooks very yellow, and makes pies of a high rich color, and of the finest quality.....5c pkt., 10c oz., 30c ¼ lb.

Tennessee Sweet Potato. Medium size, pear shaped, a little ribbed, color creamy white, sometimes lightly striped with green. Flesh, thick, creamy white, fine grain, dry and brittle, and of excellent flavor. Has no equal for making pies.....5c pkt., 10c oz., 25c ¼ lb., 75c lb.

Japanese Pie Pumpkin. Is very productive, ripens early, of medium size, good keepers, and weigh 15 to 20 lbs. each. The flesh is a rich salmon color, unusually fine-grained, and when cooked or stewed, is almost as dry and mealy as a sweet potato. For making pies, custard, etc., they are hard to beat. Containing but little water, they are easily cut and dried, like apples, and make excellent pies or sauce for winter use.

5c pkt., 10c oz., 25c ¼ lb., 75c lb.

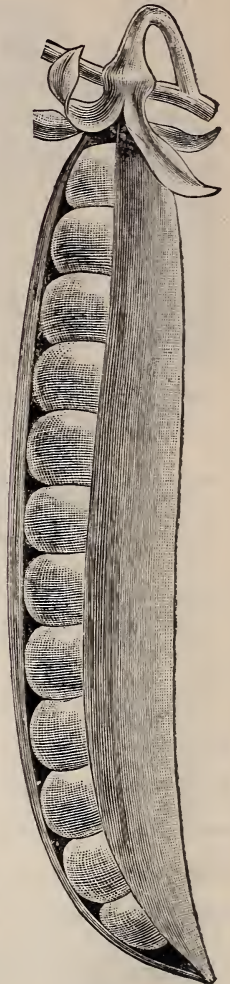
Mammoth Tours. A very productive French variety, which grows to an immense size, specimens often weighing 200 lbs. and over. Useful for stock feeding.....5c pkt., 10c oz., 20c ¼ lb., 75c lb.

Large Cheese. An excellent keeper, color bright orange, and can be used either for stewing or feeding stock.....5c pkt., 10c oz., 20c ¼ lb., 60c lb.

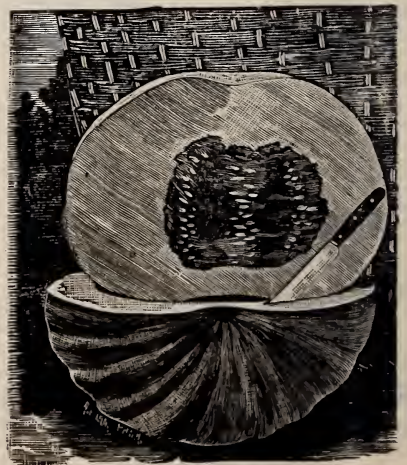
Kentucky Field. Good for cooking purposes, and for feeding stock.

5c pkt., 10c oz., 30c lb.

Connecticut Field. A large, yellow variety.....5c pkt., 10c oz., 30c lb.



Stratagem.



Calhoun Pumpkin.

THESE PRICES INCLUDE POSTAGE.

RADISH. (Rettig, Ger.)**One Ounce to 100 Feet of Drill. 8 to 10 Pounds for an Acre.**

Radishes thrive best in a light, rich, mellow soil, and to bring out their mild qualities they must make a quick and tender growth; heavy or clay soils not only delay their growth, but produce a much inferior crop in appearance and flavor. Sow for 'very early' use in hot-beds during the winter or early spring, or later on in sheltered borders, in well-manured, deeply-dug, and finely-raked soil; if not well-stimulated into a rapid growth they become fibrous and tough. Sow in drills ten inches apart, and thin to two inches in the rows. Sow at intervals of two or three weeks until September for a succession. The winter varieties should be sown in July and August; like the Turnip, they make the best growth in the autumn, and must be taken up before severe frost, and stored away in a cool cellar in sand.

THESE PRICES INCLUDE POSTAGE.

McCullough's Cincinnati Market. The radish so much grown by the Cincinnati market gardeners, and is the handsomest long radish in cultivation. It is a beautiful glossy scarlet, with a very small top, and grows from 6 to 7 inches long. The skin is very thin, and the flesh crisp and brittle and of a delightful pungent quality. It is undoubtedly the finest long red Radish for forcing, and will outsell any other on the market, and it is also an extra fine sort for the home garden, the quality being unexcelled.

5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 90c lb.

Non Plus Ultra. The smallest topped and earliest forcing radish in cultivation. Roots small, round, deep rich scarlet, very crisp, tender white flesh..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Rosy Gem. One of the earliest; perfectly globular; color rich deep scarlet at the top, blending into pure white at the bottom.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

White Box. Perfectly round, smooth skin, pure white, free from any sharpness or bitterness. A remarkably quick grower, with small top. For forcing it is in every way superior.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Early Scarlet Globe. One of the earliest and best sorts for forcing; its color is very handsome; flavor mild; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden culture..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Early Scarlet Turnip. A small top variety, of quick growth, mild and crisp. It is a standard sort for early planting in the open ground..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

White Tipped Scarlet Turnip. No radish looks better on the table than this. It is bright scarlet in color, gradually fading off to pure white at the base, and is tender, mild in flavor, and early..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Early White Turnip. An early, crisp, Turnip-shaped Radish of a pure white color..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

French Breakfast. A variety of quick growth, mild and tender, and one of the best for forcing. Oval form, scarlet, tipped with white..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Long Scarlet, Short Top. Long, of a deep scarlet color; flesh white, crisp and good flavor. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Golden Dresden. We can recommend it alike for family gardens and for market as one of the most valuable and quickest-growing radishes. The tops are very scant, and admit of closest planting. As will be seen by our cut, the Radishes are perfectly round, smooth, and with attractive, light golden-brown skin. The flesh is crisp, white, juicy, and of the finest flavor.

5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

Golden Globe. Perfect globe-shape, and golden-colored skin, quick growth, tender and brittle.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

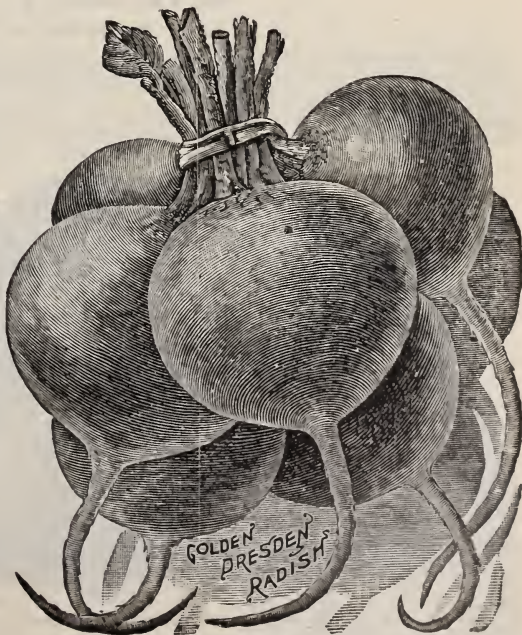
Golden Yellow Olive-Shaped. This is a fine new German radish, equally well adapted as an early forcing or summer radish. It is of very rapid growth and fine quality; flesh white, tender, crisp and brittle. The outside skin is a bright, fresh yellow, and has a very small top..... 5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

Olive-Shaped Scarlet. A very handsome, quick growing variety, of excellent quality..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

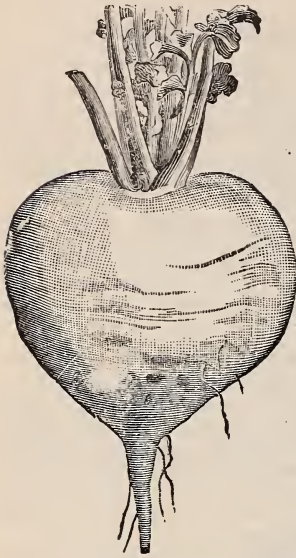
White Olive-Shaped. A handsome variety, regular olive-shaped, and a fresh, pure white; crisp and tender.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Wood's Early Frame. Long scarlet radish. An excellent variety for forcing..... 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.



SPECIAL PRICES GIVEN TO MARKET GARDENERS AND OTHERS USING LARGE QUANTITIES OF SEEDS. SEND LIST OF WANTS AND GET ESTIMATES.



White Stuttgart.

RADISH.—Continued.

- McCullough's Norwood Long White.** Finest Long White Radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Lady Finger.** Skin and flesh pure snow white; crisp, and of rapid growth. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Giant White Stuttgart.** Quick-growing, and therefore very early. Of the largest size, and both flesh and skin are pure white; quality fine, firm, and brittle; never gets pithy. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- White Strasburg.** Is of oblong, tapering shape. Skin and flesh are pure white, excellent quality, firm and brittle. A fine variety for summer use. Valuable for market gardeners. Very large.5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Chartier.** A half-long variety of quick growth. In color, deep pink or crimson above, and gradually blending into a pure, waxy white to its root. In quality it is unsurpassed, being very tender, and remaining so for a longer period than most other summer sorts. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Yellow Summer Turnip.** Will stand heat, and can be sown very late. Flesh crisp and tender.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- White Summer Turnip.** Large Turnip shaped; white, crisp and tender. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Radish Mixture.** This is especially adapted to the wants of those having only a small garden, as it contains all of the leading varieties, and will give a succession of fine radishes.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Winter Radishes.

- Chinese Scarlet Winter.** Half-long, fine winter sort. Keeps well. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Black Spanish, Oval Shape.** A valuable winter sort.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Black Spanish, Long.** Differs from the former only in shape. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.
- Mammoth White Winter.** A giant white-fleshed fall radish of excellent quality. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

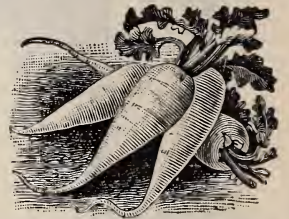
RHUBARB. (Rhabarber, Ger.)

One ounce will produce 1,000 plants.

Sow in April in drills eighteen inches apart, and cover the seed with fine soil, pressing it down firmly. When the plants are strong enough, thin out to six inches. In the fall or following spring, transplant the roots into deep, rich soil, three feet apart each way.

Linnaeus. Best sort for general purposes, early, large, and tender.....5c pkt., 15c oz., 50c $\frac{1}{4}$ lb.

Victoria. Very large, later than Linnaeus.....5c pkt., 15c oz., 50c $\frac{1}{4}$ lb.



White Strasburg Radish.

SALSIFY. (Hafer—Wurzel, Ger.)

One Ounce will Sow 50 Feet of Drill.

Salsify is rapidly coming into favor, and is considered a most delicious vegetable. It is used stewed, boiled, or fried, and sometimes as a salad, sliced raw in vinegar, with salt and pepper. When cooked, it has an oyster flavor. It is commonly called vegetable oyster. The cultivation is precisely the same as directed for parsnips; and it will keep over winter, in the ground where grown, in the same way as parsnips.

Long White French. Roots of medium size, white and smooth.....5c pkt., 10c oz., 30c $\frac{1}{4}$ lb.

Mammoth Sandwich Island. This variety will average nearly double the size of the White French, and is of excellent quality. This is the best variety for market gardeners' use.....5c pkt., 15c oz., 40c $\frac{1}{4}$ lb.



Bloomsdale Savoy Spinach.

Victoria. A new variety, with heavy, broad, dark-green leaves. Two or three weeks later than other sorts in going to seed. Valuable for spring sowing. 5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

SPINACH. (Spinat, Ger.)

One ounce for 100 feet of drill. 10 to 12 pounds for an Acre.

For spring and summer use, sow either broadcast or in drills, as early as the ground can be worked. The fall sowing is the main one with our market gardeners, which is done during the month of September, and by careful attention they have it in marketable condition throughout the entire winter and spring. If the land is dry, the seed should always be rolled or tramped in, for if the soil is loose, the hot air shrivels the seed, so that it will not germinate.

Bloomsdale Savoy. The hardest large Savoy leaved; curled and crimped with thick, fleshy leaves, good for family and market purposes. 5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

Round Leaf. The leaves are thick and fleshy; variety generally used. 5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 35c lb.

Long Standing. A large crimped, thick, fleshy Savoy-leaved variety; will stand two weeks longer than any other sort before shooting to seed; the best for spring sowing on account of seeding so late. 5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

Prickly Seeded, or Fall. The hardest variety, having smaller leaves; is not so productive as the above sorts. 5c pkt., 10c oz., 15c $\frac{1}{4}$ lb., 40c lb.

Special Prices given on Spinach in quantity.

ABOVE PRICES INCLUDE POSTAGE. Persons purchasing Seeds at our counters, or who wish to pay their own express charges, may deduct ten cents per pound from all seed bought by the pound, if quoted at prepaid rates.

SQUASH. (Kurbiss, Ger.)

One Ounce of the Bush Varieties for Forty Hills, or of the Large-Seeded Kinds, Fifteen Hills, Two or Three Pounds of the Bush, and Three to Four Pounds of the Large-Seeded for an Acre.

It is useless to sow until the weather has become settled and warm. Light soils are best suited for its growth. Prepare hills for the seeds by incorporating two or three shovelfuls of well-rotted manure with the soil for each hill. For the bush varieties, from three to four feet each way, and for the running sorts from six to eight feet. Eight or ten seeds should be sown in each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants, after which cultivate same as cucumber.

THESE PRICES INCLUDE POSTAGE.

Summer Varieties.

Early White Bush. The best early variety for market or shipping. It grows to a large size, scalloped like a patty-pan, and bearing an abundant crop.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Early Yellow Bush. An early, flat scallop shaped variety; color yellow; flesh pale yellow and well flavored; very productive; used when young and tender.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Summer Crook-Neck. The old standard sort; very early and productive. Fruits about one foot long, with crooked neck, and covered with warty excrescences; color bright yellow; shell very hard when ripe. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.



White Bush Squash

Straight-Neck Summer Squash. Market gardeners who ship early squash to distant markets, know the difficulty of packing the crook-neck variety in boxes to good advantage. They do not fit into the space well, the crooked neck always seeming to go just where it is not wanted. In the "Straight-Neck," the bad feature of the crook has been overcome, and by continued selection the size has been increased, more uniformity in shape secured, and quality improved.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Perfect Gem. Equally desirable either as a summer or winter squash. The squashes are from four to six inches in diameter, of a creamy white, with thin smooth white shell, slightly ribbed.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Vegetable Marrow. A favorite English sort. The fruit is from nine to eighteen inches in length, and four to six inches in diameter. Skin a greenish yellow, flesh white, soft and of rich flavor. Plant 8 feet apart.....5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

Fall or Winter Varieties.

Boston Marrow. A well-known and highly popular winter variety; quality unexcelled.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.



Vegetable Marrow.

Essex Hybrid. Very prolific, fine-grained, orange-red flesh, very sweet and dry.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Fordhook. A new winter Squash of great merit. Of a handsome bright yellow color outside, and straw-yellow within. The flesh is dry and sweet. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Hubbard. Standard winter squash; grown more extensively than any other late variety; color, dark green; shell extremely hard; flesh dry, fine-grained and sweet; excellent keeper.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Warted Hubbard. This strain, without doubt, grows the finest Hubbard in existence. The wartiness indicates a very hard shell, which is one of the features in a long-keeping squash; it also denotes extra choice quality—the harder and more warty the shell of a Hubbard Squash is, the more delicate and sweet the flesh will be found to be. A Hubbard Squash, large, blackish green, hard as wood, with warty knobs all over it satisfies even the inexperienced observer that it is the best of its class, rich in quality, a keeper and thick-fleshed, and will sell at sight.....5c pkt.; 10c oz.; 20c $\frac{1}{4}$ lb.; 60c lb.

Marblehead. Resembling the Hubbard, but of a lighter color, and is remarkable for its sweetness, dryness and delicious flavor, as well as its keeping qualities.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

Mammoth Chili. Rich orange yellow; flesh thick and of good quality for making pies; grows to an enormous size; a valuable sort for feeding stock.....5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

Pike's Peak, or Sibley. Skin smooth and thin, and of a pale green color; flesh thick, solid; orange color, very dry; fine grain and delicate flavor. 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.



Hubbard Squash.

Pine Apple. A fall and winter variety of excellent quality; flesh creamy white, fine grained and of a rich flavor.....5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

TOBACCO.

The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring, on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about six inches high, transplant into rows four or five feet apart, and cultivate thoroughly with plow and hoe.

Connecticut Seed Leaf. A long leaf, fine in texture.....5c pkt., 30c oz., \$1.00 $\frac{1}{4}$ lb.

Havana. A medium-sized leaf, finer texture than the above. Commands a higher price than most varieties.....5c pkt., 40c oz., \$1.20 $\frac{1}{4}$ lb.

White Burley. Extra stock, grown largely for the manufacture of fine-cut and plug. 5c pkt., 25c oz., 90c $\frac{1}{4}$ lb.



Mammoth Chili Squash.

TOMATO. (Liebesapfel, Ger.)

One Ounce of Seed will produce about 1,500 Plants.

Sow in a hot-bed greenhouse, or window in a sitting-room, where night temperature is not less than sixty degrees, about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high they should be set out in boxes three inches deep, four or five inches apart, in same temperature, or removed into small pots, allowing a single plant to a pot. They are sometimes transplanted a second time into larger pots, by which process the plants are rendered more sturdy and branching. About the middle of May, in this latitude, the plants may be set in the open ground. They are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotted manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun a few days until the plants are established. For late use, sow in a sheltered border in May, and set out the plants in July; the green fruit can be picked off before frost, and ripened under glass. By training the tomato vines on trellises, or tying to stakes, they will increase in productiveness, the fruit will ripen better, and be of finer quality.

Early Minnesota. This fine new Tomato is the best and smoothest of any of the extra early sorts. It is 5 to 10 days ahead of the others, and for those who desire a real early Tomato, it is highly recommended. Color, bright red. The vine is strong and the fruits set close. Very productive. 5c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

Acme. One of the earliest and handsomest. Fruit medium size, perfectly smooth, and regular in shape. Very solid, and a great bearer. Color, dark red, with a purple tinge. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Buckeye State. The tomatoes are borne in immense clusters of four to eight fruits, and, occasionally, ten large fruits have been found on a single cluster. In time of ripening, it matures with the "Stone." In solidity and meatiness, it has no equal, while in luscious quality none surpass it. The color is much the same as "Beauty," but of a somewhat darker and richer shade, and this together with its very large size, and clear-cut outlines, makes very showy and striking when displayed for sale. 5c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

Beauty. Rich, glossy crimson, with a slight purple tinge. The fruit grows in clusters of four to five, is of large size, very smooth, and retains its character till late in the season. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Cincinnati Purple. A valuable variety, especially adapted for canning and shipping. It is very large, color, a dark purplish-red. Very productive, and of rich flavor. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Dwarf Champion. The vines are dwarf and compact in habit, grow stiff and upright, with thick and short-jointed stems. It is remarkably early, ripening fruit as early as July 1st. It will yield double the quantity of extra early fruit per acre that can be obtained from any other Tomato. In form and color the fruit closely resembles the Acme. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Favorite. One of the largest. Ripens evenly and early, and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh; bears shipping long distances. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Golden Queen. A very handsome yellow tomato; resembles the Paragon in size, solidity and productiveness. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.



Early Minnesota.

Imperial. One of the earliest, smoothest and most productive sorts. The fruit is large, smooth and solid. It not only produces very early fruits, but it will hold-out through the season until late in fall. It is also a splendid keeper. Color, dark red, with a purple tinge. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Mikado, or Turner's Hybrid. The tomatoes are of a bright red color, large size, borne in clusters of four to seven, ripen evenly, and remain firm when fully ripe, free from any purple tinge, and in flavor all that the most fastidious can desire. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.



The Stone.

Each. It resembles a medium-sized peach in size, form and color, with a firm, fleshy texture, making it extremely handsome. The entire fruit is tender, free from core around the stem, and of a very superior quality, having a delicious fruity taste, mingled with a sub-acid flavor. Desirable for the table, and particularly valuable for exhibition purposes. 5c pkt., 30c oz.

Perfection. The fruit is almost round, ripens clear up to the stem, is solid and rich in flavor. The skin is both thin and tough, making it a good shipper, while its clear, bright scarlet color makes it most attractive. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Ponderosa. This monster Tomato is all solid meat; is a very handsome variety, being uniformly large, smooth, of a dark rich crimson color, and a delicious sub-acid flavor. To show the enormous size of this great Tomato, we would state that single specimens have been exhibited weighing three pounds four ounces. 5c pkt., 25c oz., 90c $\frac{1}{4}$ lb.

Stone. A fine variety. The fruit very large, bright scarlet; smooth, ripening evenly to the stem without a crack. Exceedingly solid and firm-fleshed, and, above all, not subject to rot. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

Trophy. An old favorite for general home use; unsurpassed in flavor and productiveness. 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$2.00 lb.

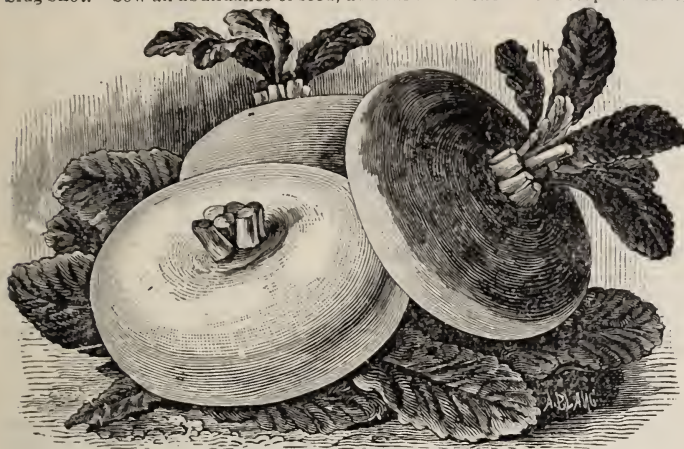
Cherry Red. Used for preserves and pickling. 5c pkt., 30c oz.

Pear Shaped Red and Yellow. Used for preserving and pickling. 5c pkt., 30c oz.

TURNIP. (Ruben, Ger.)

One Ounce Will Sow 150 Feet of Drill. Two Pounds Per Acre in Drills. One Pound Per Acre Broadcast.

The soil for Turnips should be rich and mellow. For an early crop, sow early in the spring, in drills about a foot apart, or broadcast and thin out. For a general crop, sow from the first of July to the last of August, in drills eighteen to twenty inches apart, and thin out the plants to 8 or 10 inches. To destroy the fly, which is very destructive to the turnip crop, use "Hammond's Slug Shot." Sow an abundance of seed, and thin out. Should the crop be destroyed, harrow the ground immediately and sow again.



White Flat Dutch.

Purple Top, Strap-Leaf.

Golden Ball or Orange Jelly. A rapid grower, of excellent flavor, globe-shaped, bright yellow color, good keeper and a superior table variety, or for stock.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Early White Egg. An egg-shaped variety for spring or fall sowing; flesh white, firm, fine grained, mild and sweet.

5c pkt., 10c oz., 25c ¼ lb., 60c lb.

Long White, or Cow Horn. Grows quickly, partly above ground; very productive; flesh white, fine grained and sweet, of excellent quality for family and market gardeners' use.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Seven Top. Cultivated extensively in the South for the tops, which are used for greens. It is very hardy, and will grow all winter. Does not produce a good root.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Scarlet Kashmir. This is a new and distinct variety. The outside skin is of a beautiful deep scarlet color; flesh white, very early, and of the finest table quality.

5c pkt., 15c oz., 40c ¼ lb., \$1.50 lb.

Snowball. Extra early. A variety of sterling merit, perfectly round, early, pure white, very solid, sweet, short top.

5c pkt., 10c oz., 20c ¼ lb., 60c lb.

THESE PRICES INCLUDE POSTAGE.

Red or Purple Top, Strap-Leaf. This is the most popular variety grown for table purposes an early, flat, white Turnip, with purple top, of excellent quality. The best variety for general use.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Early White Flat Dutch. An early, white-fleshed variety, of quick growth, mild flavor, and excellent quality.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Extra Early Purple Top Milan. This variety is at least two weeks earlier than any other. It is of a handsome appearance, somewhat flattened, white, with purple top; flesh, snow-white, fine grained, and delicate flavor.

5c pkt., 10c oz., 25c ¼ lb., 60c lb.

Purple Top White Globe. A variety of decided merit. Of globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early, of rapid growth, and an excellent keeper.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Large White Globe, Strap-Leaf. Flesh white, firm and crisp; a very desirable early variety.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

RUTA BAGA.

Budlong's Improved. White, very sweet, much milder flavor than any of the other sorts; globe-shaped; skin a cream yellow.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

American Purple Top. Very hardy and productive; flesh yellow, solid, sweet; good for stock or table use.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

Skirving's Purple Top. An important variety of large size and strong growth, a heavy cropper and one of the best for field culture.

5c pkt., 10c oz., 20c ¼ lb., 50c lb.

HERB SEEDS.

Sow early in April or May, in a sheltered, well-prepared spot in the open ground, either broadcast or in shallow drills about seven inches apart. Thin out the plants thus raised, and keep clear from weeds. A few sweet aromatic and medicinal herbs are very valuable for flavoring soups, etc., and care should be taken to harvest them properly on a dry day, as they come into full blossom, then dry quickly and pack closely, entirely excluding the air.

	PER OZ. PKT.		PER OZ. PKT.		PER OZ. PKT.
Anise, biennial.....	15c. 5c.	Fennel, Sweet, perennial, 6 ft.....	10c. 5c.	Saffron, annual, 3 ft.....	10c. 5c.
Balm, Sweet, perennial, 1 ft.....	30c. 5c.	Horehound, perennial, 2 ft.....	25c. 5c.	Sage, annual, 1 ft., 50c ¼ lb.....	15c. 5c.
Basil, Sweet, annual, 1 ft.....	20c. 5c.	Hyssop, perennial, 3 ft.....	25c. 5c.	Summer Savory, annual.....	15c. 5c.
Caraway, perennial, 2 ft.....	10c. 5c.	Lavender, perennial, 2 ft.....	20c. 5c.	Sweet Marjoram, annual.....	20c. 5c.
Dill, biennial, 3 ft.....	10c. 5c.	Rosemary, perennial, 4 ft.....	30c. 5c.	Thyme, annual, 1 ft.....	30c. 5c.

VEGETABLE PLANTS AND ROOTS.

We will keep the following varieties on hand in their proper season. Prices do not include prepayment by mail or express:

	PER 100.	PER 1,000.	PER DOZ.		PER 100.	PER 1,000.	PER DOZ.
ASPARAGUS ROOTS.				HORSE-RADISH SETS.			
Barr's Mammoth. Two-year-old roots.....	\$1 00	\$7 00	.....		\$0 75	.....	15c.
Colossal.....	75	5 00	.....	OSAGE ORANGE PLANTS. (For Hedge).			
Columbian Mammoth White.....	1 00	7 00	.....	Strong Plants.....	40	3 50	.....
Palmetto.....	1 00	6 00	.....	PEPPER PLANTS.			
CABBAGE PLANTS.				Large Bell, or Bull Nose.....	1 25	.....	25c.
Early Jersey Wakefield.....	50	4 00	.....	Ruby King.....	1 25	.....	25c.
Louisville Drumhead.....	50	4 00	.....	SWEET POTATO PLANTS.			
Premium Late Flat Dutch.....	40	3 00	.....	Nansemond, or Jersey Yellow.....	25	2 00	.....
CAULIFLOWER.				Red Bermuda.....	30	3 00	.....
Earliest Dwarf Erfurt.....	1 50	.....	25c.	Southern Queen.....	30	3 00	.....
Henderson's Snowball.....	1 50	.....	25c.	TOMATO PLANTS.			
CELESTIAL PLANTS.				Cincinnati Purple, Dwarf Champion,			
White Plume.....	50	3 50	.....	Acme, Trophy, Beauty and Favor-			
Golden-Hearted Dwarf.....	50	3 50	.....	ite.....	1 25	.....	20c.
Golden Self-Blanching.....	50	3 50	.....	RHUBARB ROOTS.			
CHIVES. Good Clumps.....				Single Eye.....	10c ea.	.....	\$1 00
EGG PLANT. New York Improved.....	2 00	.....	30c.	Large Clumps.....	25c to 50c each.		

We are Growers of Vegetable Plants. Have Them Fresh Every Day in Season. Special Prices on Large Quantities.

SELECTED SEED POTATOES. (Kartoffel, Ger.)

We grow our Seed Potatoes in the best northern districts and expressly for seed purposes. As prices are liable to vary, we shall be pleased to give quotations on application. They are put up in barrels of about $2\frac{3}{4}$ bushels each. Our supply has been secured from reliable growers, and includes the following varieties:

Early Ohio. A seedling of the Early Rose, a week earlier, of excellent quality. Tubers round and oblong in shape; flesh solid; cooks dry and mealy.....50c peck, \$1.25 bu., \$3.00 bbl.

Early Rose. The leading variety for earliness and productiveness.....40c peck, \$1.10 bu., \$2.75 bbl.

Beauty of Hebron. Ripens with the Early Rose, and equally as valuable as a market variety.....40c peck, \$1.10 bu., \$2.75 bbl.

Burbank's. A white-skinned, medium early variety, with few eyes; flesh fine grained and of excellent flavor; producing a large crop of marketable potatoes. 40c peck, \$1.00 bu., \$2.50 bbl.

Chicago Market. Very popular, early, good quality, and yields well.....40c peck \$1.10 bu., \$2.75 bbl.

Artichoke, Jerusalem. This makes an enormous yield, and a most nutritious and health-preserving hog and cattle feed. They also produce an immense quantity of tops, of which cattle, horses, and mules are very fond, and which make excellent food when properly cured. Plant in rows four feet apart, dropping the tubers fifteen inches apart in the rows. It requires about three bushels to plant an acre. The tuber can be divided same as potatoes.....50c peck, \$1.25 bu., \$3.00 bbl.

White Star. Medium early, a very large cropper, fine, floury texture, and delicious flavor, being unexcelled by any other variety.....40c peck, \$1.00 bu., \$2.50 bbl.

Late Beauty of Hebron. Remarkably productive, tubers oblong and of extra size; skin and flesh white; table properties good, and keeps well.....40c peck, \$1.00 bu., \$2.50 bbl.

White Elephant. Late, large, enormously productive, and of excellent flavor; splendid keeping qualities.

40c peck, \$1.00 bu., \$2.50 bbl.

FARM SEEDS.

We give special attention to the quality of all our Farm Seeds, and send out only cleaned stock. It is our aim to send out absolutely pure stock, true to name. For green manures, we recommend sowing thickly, Scarlet Clover, Sugar Cane, Tares, Field Peas, Rye, and Oats, and plowing under when six to eight inches high.

The prices quoted are subject to market fluctuations. Customers when in need of large quantities, we will be pleased to send samples and quote lowest market prices.

MANGEL. WURZEL.

Five to Six Pounds of Seed Required Per Acre.

The importance and value of this crop for stock feeding can not be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and yield immense crops per acre, if the soil is rich, you can hardly get it too rich, they make a heavy growth, and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivation.

Prize Mammoth Long Red. More generally grown for agricultural purposes than any other, producing roots of large size and excellent quality.....15c $\frac{1}{4}$ lb., 30c lb., \$2.25 for 10 lbs.

Yellow Globe. Of large size and globular form; very productive. 15c $\frac{1}{4}$ lb., 30c lb., \$2.25 for 10 lbs.

Red Globe. A large, red, oval variety, keeps well, and produces large crops on shallow soil. 15c $\frac{1}{4}$ lb., 30c lb., \$2.25 for 10 lbs.

Golden Tankard. Bright yellow, large, handsome, heavy cropper, splendid quality. 15c $\frac{1}{4}$ lb., 30c lb., \$2.25 for 10 lbs.

SUGAR BEET.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter; thousands of acres are planted with Sugar Beets for manufacturing sugar. They are excellent for feeding cows, improving wonderfully the quantity and also quality of the milk.

Vilmorin's Improved. A medium sized white Sugar Beet brought by the most careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers.....15c $\frac{1}{4}$ lb., 30c lb., \$2.50 for 10 lbs.



Golden Tankard.

Lane's Imperial. One of the best for field culture; early, large, and productive.....15c $\frac{1}{4}$ lb., 30c lb., \$2.50 for 10 lbs.

CARROTS.**FIELD VARIETIES FOR STOCK.**

These are undoubtedly the most valuable of all the roots usually grown for stock, especially horses, by which they are much relished. They are more nutritious than Turnips and nearly all animals like them and are benefited by them. The seed may be sown at any time in April until the end of May.

McCullough's Intermediate. The roots grow very regular and smooth; they are of good size. Productive, rich color, sweet and tender flesh. Excellent variety for either field or garden.

10c oz., 20c $\frac{1}{4}$ lb., 50c lb., \$2.50 for 5 lbs.
Improved Giant Short White. This is the heaviest cropping Carrot grown, yielding more tons to the acre than any other sort. The flesh is white, solid, crisp and very sweet, the roots are short and very heavy at the shoulder which allows them to be harvested very easily. One of the most profitable Carrots; cattle and horses like it.

10c oz., 15c $\frac{1}{4}$ lb., 50c lb., \$2.00 for 5 lbs.
Improved Long Orange. A standard late variety, handsome and uniform in shape; deep orange color, good flavor, yields heavily.

10c oz., 15c $\frac{1}{4}$ lb., 50c lb., \$2.00 for 5 lbs.
Large White Belgian. The lower part of the root is white; that growing and exposed above ground, green. It is exclusively grown for stock. 10c oz., 15c $\frac{1}{4}$ lb., 50c lb., \$2.00 for 5 lbs.

TURNIP.

If sown broadcast, from two to three pounds per acre are required, and in drills, from two to four pounds; the latter is the more usual method, thin from nine to 12 inches in rows. Select light, new soil, and manure with bone dust, superphosphate, plaster, or ashes (a mixture of them is preferable); to be sown broadcast before the drills are made.

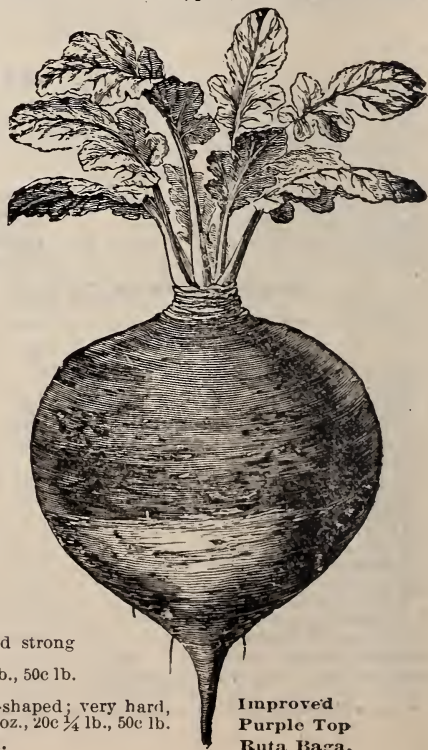
Improved Purple Top Ruta Baga. The very best among the many varieties of Swedes. The bulb is large, flesh rich yellow, remarkably juicy, of sound constitution, and perfectly hardy, standing well out of the ground. Being a very vigorous grower, it is less liable to be destroyed by the attacks of the turnip fly than sorts which are not thrifty in their growth.

10c oz., 20c $\frac{1}{4}$ lb., 50c lb.
Skirving's Purple Top Ruta Baga. An imported variety of large size and strong growth; a heavy cropper, and one of the best for field culture.

5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Purple Top Yellow Aberdeen. Hardy and productive, good keeper, globe-shaped; very hard, fine quality.....10c oz., 20c $\frac{1}{4}$ lb., 50c lb.

Add Ten Cents Per Pound Extra if Sent by Mail.



Improved Purple Top Ruta Baga.

FIELD, FORAGE AND SILO SEEDS.

SOUTHERN COW PEAS.

The Great Land Renovator.

The Growing Crop Not Only Enriches the Ground, but Furnishes a Large Amount of Most Valuable Forage for Green or Dry Feeding.

A leguminous annual; grown extensively in the Southern states, where it is regarded as invaluable both as a forage plant and soil renovator. During the past few years experiments have demonstrated their value in the northern sections of our country. Its value as a fertilizing crop exceeds that of clover, for in addition to being a larger nitrogen gatherer than clover, it draws from the subsoil to the surface large amounts of both potash and phosphoric acid, thus putting the soil in most excellent condition for following crops. The feeding value of Cow Peas either green, fed as hay, or preserved as ensilage, is very high, being considerably above that of red clover. The yield of green vines per acre runs ordinarily from five to fifteen tons. The yield of peas vary according to varieties, conditions of soil, etc., from ten to thirty bushels per acre. Cow Peas, like all other crops thrive best on good ground. The maximum result being obtained from dry sandy loam, but from their strong growth of roots will do well on almost any soil not too wet. For hay or ensilage cut when the seed pods begin to form. It must be born in mind that the **Southern Cow Pea** belongs to the bean family, therefore must not be sown until the ground is thoroughly warm and all danger from frost is past.

Sow from 1½ to 1¾ Bushels to the Acre.

The following varieties are recommended for cultivation north of the 37th parallel.

Black. Matures quickly, best variety for the extreme northern sections of the country, gives large yield of vines and peas. Seeds large.....\$1.40 per bushel.

Black Eye. Similar to the black as to yield of vines and peas, generally more prolific, requires a little longer season to mature.....\$1.50 per bushel.

Whip-poor-Will. An early variety, tall, upright, medium yield of vines, large yield of peas for which they are particularly grown. Highly recommended for "hogging down." \$1.40 per bushel.

Clay. The leading variety in the South. Large yield of vines and peas, but requires longer season to mature than the former named varieties. Fine for summer pasture or green feeding, or to turn under green for soiling...\$1.25 per bushel.

Soja Bean. This valuable forage plant has attracted increasing attention yearly. It is one of the most nutritious of all vegetable products. It will produce a crop of twenty to thirty bushels per acre, and is as easily grown as other beans. For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. The dry beans when ground make an excellent meal for feeding to milch cows. When roasted and ground they form an excellent substitute for coffee. Sow half a bushel per acre broadcast, or plant in drills three feet apart, and one to one-and-a-half feet between the plants, dropping two or three beans in each hill, which will require one gallon per acre.....10c lb., 60c peck, \$2.00 bu.

Canada Field Peas. For the Northern States there is no crop of greater value than Field Peas, and is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil from which a crop of peas has been harvested is richer in nitrogen than before the peas were sown upon it, and there is no kind of live stock on the farm to which Peas and Oats in mixture can not be fed with positive advantage. Used as feed for pigeons, etc.

10c qt., 40c peck, \$1.15 bu.

Dwarf Essex Rape. A forage plant of highest value. It can be sown in April for an early crop, and for fall crop in July, August and September, and still later further south. It is sown broadcast 6 lbs. to the acre, but is better drilled, in which case 3 lbs. to the acre will suffice. In a few weeks from the time of sowing, sheep, hogs or cattle can be turned on it; all reports agree that they gain weight faster on this than any other fodder, as it can be sown after other crops are off; the gain in fodder is secured at a nominal cost. Stockmen, Dairymen and Farmers have proved its value.

12c lb., \$1.00 for 10 lbs., \$8.00 per 100 lbs.

Vetches—Spring Tares. (*Vicia sativa*.) Sown broadcast at rate of 1 to 1½ bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas.....20c qt., \$3.00 bu.

Sand, Winter, or Hairy Vetch. (*Vicia villosa*.) This variety thrives on poor, arid, sandy soils. It is sown either in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from three to four feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy, and the produce is recommended as most nutritious. Should be sown at the rate of 1½ bushels to the acre.....25c qt., \$4.50 bu.

Kaffir Corn. Produces two to four heads from a single stalk. The whole stalk, if cut down as soon as seed heads appear, at once starts a second growth from the roots. It also stands drought wonderfully. If growth is checked for want of moisture the plant waits for rain, and when it comes, at once resumes its growth. On very thin or wornout lands it yields paying crops of grain or forage, even in dry seasons when corn has utterly failed. The whole stalk, as well as blades makes excellent fodder, and all stock eat it greedily. Flour made from Kaffir Corn is excellent for batter cakes, muffins, etc. Sow in rows three feet apart; five pounds per acre.....5c lb., 35c for 10 lbs., \$2.00 per 100 lbs.

Rural Branching Sorghum. (White Millo Maize.) A wonderful branching sorghum, which produces an enormous amount of excellent fodder, and is highly recommended for that purpose. It branches wonderfully after the first cutting. Two or three cuttings can be made during the season from one sowing. Sow about four pounds per acre.

10c lb., 50c for 10 lbs.

Beggar Weed. (*Desmodium Molle*.) Highly recommended as a forage plant for the thin sandy soils and pine barrens of the South Atlantic or Gulf States. Its growth is dense; two to four feet high, sometimes seven feet; the forage crop abundant and nutritious. Sow at any time after frosts are over until the middle of June, in drills three feet apart, three or four pounds per acre, or broadcast ten to twelve pounds per acre. Cover one inch. When two feet high, may be cut for hay or green feed, and will produce successive crops, branching largely from the roots. May be pastured freely in late summer and fall.

10c pkt., 40c lb., \$1.75 for 5 lbs.

Wild Rice. (*Zizania aquatica*.) Valuable as a forage plant on inundated lands and along the shores of marshes. As an attraction for wild fowls it is invaluable. The seed should be sown in the fall in six inches to six feet of water, having soft mud bottom where there are few weeds.....15c per lb.

Sunflower, Mammoth Russian. May be grown to great advantage in waste ground, from early spring to the latter part of July. An excellent and cheap food for fowls. Plant four quarts to acre.....10c lb., \$4.50 per 100 lbs.

Teosinte. (*Reana Luxurians*.) The stalk, containing much saccharine matter, is very nutritious. It can be cut several times during the season. If allowed to grow without cutting, it will attain a height of twelve to fifteen feet. Should not be planted until the soil is perfectly warm in spring. Requires about four pounds of seed per acre.....10c oz., \$1.00 lb.

Add Ten Cents Per Pound Extra if Sent by Mail.



Dwarf Essex

Add ten cents per pound extra if sent by mail.



Hickory King.

FIELD CORN.

Our Seed Corn has been grown for us by specialists, and will be found of the highest grade as to quality and germinating power. Sow eight quarts to the acre.

McCullough's Clark County Champion. The earliest White Dent Corn. Will mature in ninety days, therefore may be sown later than any other variety, and still there is no danger of it being damaged by frost. Produces generally two large ears to the stalk, and in good land will yield 100 bushels to the acre.....30c peck, \$1.00 bushel.

King of the Earliest Dent. An early yellow corn, adapted for high latitudes, and will mature in eighty to eighty-five days.....30c peck, \$1.00 bushel.

Iowa Gold Mine. Early Yellow Dent, ripening only a few days later than King of the Earliest; ears are of good size and symmetrical; color a bright golden yellow; grain is very deep; cob small and therefore dries out very quickly as soon as ripe.....30c peck, \$1.00 bushel.

Early Mastadon. The largest early Dent Corn in cultivation. It is 90 to 100-day corn, with long grain, very large ears, and will out-yield any corn in the world.....30c peck, \$1.00 bu.

Golden Beauty. Beautiful golden color; strong grower of remarkable size. The rows are straight and filled out to the extreme end of the cob. Ripens in 110 to 120 days. 30c peck, \$1.00 bushel.

Leaming Yellow. Ears of good size, cob red and small. A strong grower and very prolific.....30c peck, \$1.00 bushel.

Hickory King. A distinct White Dent Field Corn. The stalks are strong, and bear two and occasionally three ears; the cob is remarkably small. It is very productive and of good quality.....30c peck, \$1.00 bushel.

Red Cob Ensilage. A Southern type of large white corn, with deep red cob, strong leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers. 75c bu., \$1.25 for 2 bu., \$6.00 for 10 bu.

Sweet Fodder. There is nothing better for green feed, or curing for winter, than sweet corn. Cattle highly relish it, and when fed on it, keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Also excellent for silage. Sow thickly in drills or broadcast at the rate of two to three bushels per acre.

50c peck, \$1.50 bushel, 10 bushel lots, \$1.35 bushel.

Subject to market change.

ADD TEN CENTS PER POUND EXTRA, IF SENT BY MAIL.

The Prices Quoted are Subject to Market Changes. Customers When in Need of Large Quantities, we will be

Pleased to Submit Samples and Quote Lowest Market Prices.

MISCELLANEOUS, BIRD AND SUNDRY SEEDS.

TEN CENTS PER POUND EXTRA, IF SENT BY MAIL.

	PER LB.
Black Locust.....	35
Honey Locust.....	35
Castor Beans.....	20
Canary Seed (3 lbs. 25c).....	10
Mixed Bird Seed (3 lbs. 25c).....	10
Caraway Seed.....	15
Coriander Seed.....	15
Celery Seed, for flavoring.....	15
Cotton Seed.....	20

	PER LB.
Fennel Seed.....	15
Flax Seed (3 lbs. 25c).....	10
Flax Seed, crushed.....	10
Hemp Seed (3 lbs. 25c).....	10
Lettuce Seed, for birds.....	20
Maw or Poppy Seed.....	15
Millet, German or Golden.....	5
" Pearl.....	20
Mustard Seed, white, for pickles.....	10

	PER LB.
Mustard Seed, black.....	10
" " crushed.....	10
Osage Orange—Bois D'Arc.....	35
Pumpkin Seed.....	15
Rape Seed (3 lbs. 25c).....	10
Rough Rice, for Red Birds.....	10
Sunflower Seed (3 lbs. 25c).....	10
Water Melon Seed.....	15

SEED POP CORN.

White Pearl. Our common market variety...10c pt., 20c qt.

White Rice. A handsome variety, kernels long and pointed, very prolific.....10c pt., 20c qt.

Silver Lace or Eight Rowed. A strong growing variety, color silvery white.....10c pt., 20c qt.

Queen's Golden. The stalks grow six feet high, and the large ears are produced in abundance. It pops perfectly white.....10c pt., 20c qt.

We always have in stock a large supply of old corn for popping, and are prepared to fill all orders at market prices.

BUCKWHEAT.

Should be sown about the middle of June, broadcast, using from one to three pecks of seed to the acre.

Japanese. This new sort has proven to be much earlier and more productive than any other variety. The grains are very large and of a rich brown color. It excels all in yield and earliness.....\$1.00 bu.

Silver Hull. A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre.....\$1.00 bu.

OATS.

Clydesdale. An early productive variety.

25c peck, 95c bushel, 10 bushels, \$7.50.

Welcome. An excellent variety, productive and heavy; straw stiff; grain plump. Averages 45 lbs. per measured bushel. The very best for ordinary soils. 65c bushel, 10 bushels, \$6.00.

Red Rust-Proof. This is the standard oats of the Southern States, yielding large crops when all other sorts were destroyed by rust. It is a large, heavy, reddish looking berry, very prolific.....50c bushel.

White, Black, also Mixed..... Market price.

SORGHUM, OR SUGAR CANE.

Sorghum is being used extensively as a green food for cattle, horses and mules; it is a sure crop, being a great drouth resister and an immense yielder, producing many tons of most nutritious green food to the acre. Specially fine for food for milch cows when pasture is short.

Early Orange Cane. A strong grower; much more juicy than any other variety. The stalk is heavier, and a little later than the Amber.....10c lb., 50c for 10 lbs. \$2.50 per 100 lbs.

Early Amber Cane. This popular and well-known variety is the earliest, and makes the finest quality of both sugar and syrup.....10c lb., 50c for 10 lbs. \$2.50 per 100 lbs.

BROOM CORN.

Improved Evergreen. The best for general cultivation; brush firm, of good length, and bright green color. 10c lb., \$2.00 bushel.

Dwarf. Grows from three to four feet high, with straight, smooth brush.....1c lb., \$2.00 bushel.

California Golden. A strong growing variety, much resembling the Evergreen, but longer brush, and a bright golden color when ripe.....10c lb., \$2.00 bushel.

SPRING WHEAT and BARLEY.

Owing to market fluctuations, will quote prices on application, stating quantity wanted.

GRASS AND CLOVER SEEDS.

We make a specialty of Grass and Clover Seeds, and send out only the most useful varieties which are adapted to this country. Our facilities for handling are unsurpassed, having the most improved machinery, made expressly for our use. While we are in position at all times to furnish any grade desired, and thus meet competition, our special aim is to furnish the best or higher qualities. We are not only sellers of seeds, but are the largest buyers in this section, and will always pay the highest market price. The handling of Grass Seeds being usually on so close a margin, and influenced by the market fluctuations, it is, in a great many instances, impracticable to name prices; but when there are no prices given, market rates will be charged or special prices on application. All orders with cash filled at the lowest market price on day of receipt, and, unless otherwise instructed, we ship the best quality. We shall always be pleased to mail samples for comparison.

Owing to the varying bulk of Grass Seeds from season to season (owing to climatic conditions which can not be controlled), they are always put up by us by weight and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight and not on bulk. The number of pounds to the bushel, in brackets, is the old way of offering grasses, and is mentioned merely for reference. Two-bushel seamless bags at 20 cents each.

ADD TEN CENTS PER POUND EXTRA IF SENT BY MAIL.

Bermuda Grass. (*Cynodon dactylon*.) A valuable grass for the South and for tropical climates. It will not endure frost.....\$1.20 lb.

Crested Dogtail. (*Cynosurus cristatus*.) Perennial. Height, 1 to 1½ feet. An excellent grass for hard dry soils; valuable for pastures and lawns, as it is very hardy and but little affected by extremes of weather. Sheep fed in pastures where this abounds are less subject to foot rot. It is tender and nutritious and relished by all stock. (21 lbs. to the bush.) Sow (if alone) 35 lbs. per acre.....50c lb., \$4.25 for 10 lbs.

Italian Rye Grass. (*Lolium Italicum*.) Biennial. Height, 18 to 30 inches. A variety unequalled for producing an abundance of nutritious feed in the early spring, as well as throughout the season, and it gives quick and successive growths until late in the fall, even if cut several times, providing the land is in good condition and not too dry. It is of succulent character and quickly responds to rich food and moisture. As it is not perennial, it is not adapted for permanent pastures, but for one or two years' lay it is unsurpassed. Sow (if alone) 55 lbs. per acre; (about 18 lbs. per bushel).....10c lb., 90c for 10 lbs., \$8.80 per 100 lbs.



Hard Fescue Grass.

Johnson Grass. (*Sorghum Halapense*.) A perennial; a rapid grower, long cane-like roots. Sow at the rate of one bushel per acre, and should be sown in August or September to secure a good crop the following year.....10c lb., 90c for 10 lbs.

Kentucky Blue Grass. (*Poa pratensis*.) Also called June Grass, smooth, stalked Meadow Grass, Green Meadow Grass, and Spear Grass. Perennial. Height, 10 to 15 inches. This valuable grass is suited to a variety of soils, from an average dry one to moist meadows, and as a pasture grass is indispensable. It is very productive, unusually early, and presents a beautiful green appearance in early spring, while other grasses are yet dormant. It makes a splendid lawn grass, forming a thick turf and being of very even growth, producing only one flowering stem a year, while many other grasses continue to shoot up flower stalks throughout the season. Kentucky Blue Grass also makes hay of excellent quality, but the yield for this purpose is not equal to some other grasses. Sow (if alone) 45 lbs. per acre; weight per bushel, 14 lbs. Price, extra clean seed, 10c lb., 70c for 10 lbs. Fancy clean seed, 20c lb., \$1.20 for 10 lbs.

Hard Fescue (*Festuca duriuscula*). Perennial, height, 18 to 24 inches. Thrives well in dry situations, where many other grasses would fail, thus making it a desirable pasture variety. The common name solely applies to the flower heads, which, when ripe, become hard; the herbage, however, is decidedly tender. Sow, if alone, 30 lbs. per acre. Weight, about 12 lbs. per bushel.....15c lb., \$1.30 for 10 lbs.

Meadow Fescue (*Festuca Pratensis*.) (Erroneously called English Blue Grass). A highly valuable species for permanent grass land. It does not, however, attain its full productive power till the second or third year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture, and is one of the most desirable permanent grasses for general culture. 40 lbs. to the acre. Weight, 24 lbs. per bushel.

15c lb., \$1.00 for 10 lbs.

Meadow Soft Grass (*Holcus Lanatus*). Inferior to many other sorts, but of easy culture, and accommodates itself to all descriptions of soils, producing a fair crop under unfavorable circumstances. Sow 25 lbs. to the acre. Weight, 7 lbs. per bushel.....15c lb., \$1.25 for 10 lbs.



Meadow Fescue-Grass.

NOTE.—We are prepared to make up Special Mixtures of Grass Seeds for particular purposes—situations or conditions; correspondence regarding such will receive prompt attention.

Prices subject to market changes. We will be pleased to send samples and quote lowest market prices.

GRASS AND CLOVER SEEDS.—Continued.**Meadow Foxtail Grass.**

ious. Sow, if alone, 65 lbs. per acre. Weight, 24 lbs. per bushel.....10c lb., 80c for 10 lbs., \$7.00 per 100 lbs.

Sweet Vernal Grass, True Perennial (*Anthoxanthum odoratum*). For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the autumn. Its chief merit is its fragrant odor, which the leaves emit when partially dried, thus sweetening hay.....40c lb., \$4.25 for 10 lbs.

Sweet Vernal Grass, Annual (*Anthoxanthum odoratum puelli*). Much smaller than the perennial.....20c lb., \$1.50 for 10 lbs.

Sheep's Fescue (*Festuca ovina*). Perennial, height varies from six to twenty inches. This grass grows naturally on light, dry, sandy soils. Being succulent and nutritious it should always enter into the composition of sheep pastures, as they are very fond of it. Weight, about 14 pounds per bushel. Sow 30 pounds per acre.....15c lb., \$1.25 for 10 lbs.

**Perennial Rye Grass.**

Meadow Foxtail (*Alopecurus pratensis*). Perennial, height 2 to 3 feet. Resembles Timothy, but flowers much earlier, and it is particularly valuable as a permanent pasture grass, being of very early and rapid growth. It is highly relished by stock; endures a close cropping, and forms a luxuriant aftermath, and quickly revives after a long drought. Sow, if alone, 25 lbs. per acre. Weight, about seven pounds per bushel.

30c per lb., \$2.75 for 10 lbs.
Orchard Grass (*Dactylis Glomerata*, Rough Cocksfoot). Perennial, height three feet. It blossoms about the same time as Red Clover, making it, on that account, a desirable mixture with that plant. It is exceedingly palatable to stock of all kinds, and its powers of enduring the cropping of cattle commend it as one of the very best pasture grasses. Sow 45 lbs. to the acre. Weight, 14 lbs. to the bushel.....15c lb., \$1.25 for 10 lbs.

Red Top Grass (*Agrostis Vulgaris*, Herd's Grass, Bent Grass, Creeping Bent Grass, Quick Grass). Perennial, height 1 to 2 feet. Valuable either for lawn mixtures, mixing in hay, or permanent pasture grasses; is common throughout the country; succeeds almost everywhere, but reaches its highest state of perfection in a moist, rich soil, in which it attains a height of 2 to 2½ feet. Sow, if alone, 45 lbs. per acre. Weight, 14 lbs. per bu.....10c lb., 80c for 10 lbs., \$7.00 per 100 lbs.

Fancy Pure Seed. Weight about 32 lbs. per bushel. 15c lb., \$1.25 for 10 lbs., \$10.00 per 100 lbs.

Perennial, or English Rye Grass (*Lolium perenne*, Rye Grass, Imported English Blue Grass). Height, 15 to 24 inches. This grass is considered invaluable for permanent pastures. It produces an abundance of remarkably fine foliage, tillers out close to the ground, and soon forms a compact sward. After being cut it grows up in a very short time, and remains bright and green throughout the season; it, consequently, is well adapted for lawn mixtures. It is also a good variety for hay, if cut when in blossom, as it is then most nutritious. Weight, about 14 pounds per bushel. Sow 30 pounds per acre.....15c lb., \$1.25 for 10 lbs.

**Orchard Grass.**

Fine-Leaved Sheep's Fescue. (*Festuca ovina tenuifolia*). Perennial, height varies from 8 to 24 inches. This is similar to the Sheep's Fescue mentioned above, except that the leaves are much finer. It is very suitable for permanent pasture, especially on uplands and dry soils. Its rich dark green gives a fine appearance to hay, and renders it also valuable for lawn mixtures for dry situations. Sow, if alone, 40 lbs. per acre. Weight, about fourteen pounds per bushel.....30c lb., \$2.75 for 10 lbs.

Tall Meadow Oat Grass (*Avena elatior*). This is a perennial grass, has broad, flat leaves, and grows about three feet high; has an abundance of long fibrous roots, penetrating deeply in the soil, enabling it to withstand drought and cold.

20c lb., \$1.75 for 10 lbs.

Timothy (*Phleum Pratense*, Herd's Grass, Cat's-tail Grass). This grass stands at the head for meadows. Never use less than one peck to the acre, then up to one-half bushel, as to circumstances.....Market price.

Wood Meadow Grass (*Poa memorialis*). No grass is better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. Sow 25 pounds to the acre.

35c lb., \$3.00 for 10 lbs.

The prices quoted are subject to market fluctuations. Customers when in need of large quantities, send list of wants for lowest market prices.

Add Ten Cents Per Pound Extra if Sent by Mail.

**Tall Meadow Grass.**

MIXED GRASSES—For Special Purposes.

Under this head we are prepared to furnish seeds adapted to all soils and all situations and for all purposes, composed of grasses for light soils, for medium soils and for heavy soils; by light soils we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams; while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil more as the light soils.

Our best mixture is made entirely with our choice re-cleaned seeds, while in our second quality we use the same seeds, but without re-cleaning, and will be equal to the qualities usually to be had on the market. Our mixtures will all have a uniform weight of sixteen pounds to the bushel. Quantity to be used per acre, one and one-half to two bushels, and half this quantity for renovating. In ordering always state the soil and position on which you wish to use it.

	PER BUSHEL.
Mixture for meadows, first quality	\$2 00
" " second "	1 60
" " permanent pasture, first quality	2 00
" " " second "	1 50
" " pasture and hay in orchards and other shady places, first quality	2 00

	PER BUSHEL.
Mixture for pasture and hay in orchards and other shady places, second quality	\$1 60
" " marshy grounds, first quality	1 75
" " " second "	1 40
" " sandy and rocky grounds, first quality	1 75
" " " second "	1 40

MILLETS.

German or Golden Millet. (True Southern Grown). It has been fully established that German Millet grown in the Northern and Western States becomes deteriorated, and soon resembles Fox tail in quality and yield. This is due to the fact that German Millet is a native of a warm climate. SOUTHERN GROWN SEED is worth double that of Northern or Western grown, if you want a good crop of hay.

40c peck, \$1.25 bu.

Missouri or Common Millet. 25c peck, 75c bu.

Hungarian Grass. This grass resembles the millet, it is of fine growth, and makes an excellent hay 30c peck, \$1.00 bu.

Hog Millet. Known also as Broom Corn Millet. Quite unlike the German and Common Millet in habit of growth as well as the appearance of the seed, which is much larger. The name Hog Millet has been applied to emphasize the use to which it is now being put as an economical and valuable food for hogs, while it is also one of the best varieties for use for bird seed and all like commercial purposes for which Millet is sown. It is a valuable help in the profitable raising of swine even in the best corn belts, and of much greater value in all northern localities where corn is not so important a crop 40c peck, \$1.25 bu.

CLOVER SEEDS.

Alsike, or Swedish. (*Trifolium Hybridum*). An excellent variety, of luxuriant growth, and very sweet; valuable for pasturage or ensilage. 15c lb., \$1.25 for 10 lbs., \$10 per 100 lbs.

Alfalfa, or Lucerne. (*Medicago Sativa*). One of the best varieties, succeeding in almost every situation. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow early in the spring to secure a good stand before winter, if to be used for pasturage or curing. 15c lb., \$1.25 for 10 lbs., \$10.00 per 100 lbs.

Bokhara Clover (*Melilotus Alba*). A rapid-growing, white-flowered sort; a good bee food. 20c lb.

Japan Clover (*Lespedeza Striata*). It thrives on poor land, and produces continual herbage. Not adapted to Northern latitudes, as it is only half-hardy. 30c lb.

Red Clover (*Trifolium Pratense*). In ordering, always state quality desired, otherwise will send the best. The grades of the market are Good, Prime, and Choice. Market price.

Sapling Clover, English Clover, Cow Grass, Perennial Red Clover (*Trifolium Pratense Perenne*). It is valuable when sown with other grasses, for mixed hay, as it ripens later than the common Red Clover. The best for soiling purposes. Market price.

Giant Sainfoin Esparsette (*Onobrychis Sativa*). A perennial, the duration of good crops being about eight years. Grows two to three feet high. 15c lb.



Scarlet Clover.



White Clover.

Scarlet, Crimson, or Carnation Clover. (*Trifolium Incarnatum*). Annual. Time of flowering, June; height, 1½ to 2 feet. Where a single crop is wanted this is one of the best Clovers that can be grown; it makes good hay and is excellent for feeding green, the yield being immense, and after cutting it at once commences to grow again, and continues until freezing weather, but, being an annual, dies after maturing its seed. It is no longer an experiment, having been grown extensively in the South, especially in Virginia. It is suitable to all soils, and furnishes for them more plant-food in a short time than can be obtained in any other way. It far outyields the ordinary Red Clover, and is earlier by two or three weeks. Sow 10 to 15 lbs. per acre 10c lb., 70c for 10 lbs., \$6.00 per 100 lbs.

White Dutch Clover (*Trifolium Repens*). The best variety for lawns, as it forms a close herbage and remains green throughout the season; it is also excellent for bee food. 25c lb., \$2.00 for 10 lbs., \$17.50 per 100 lbs.

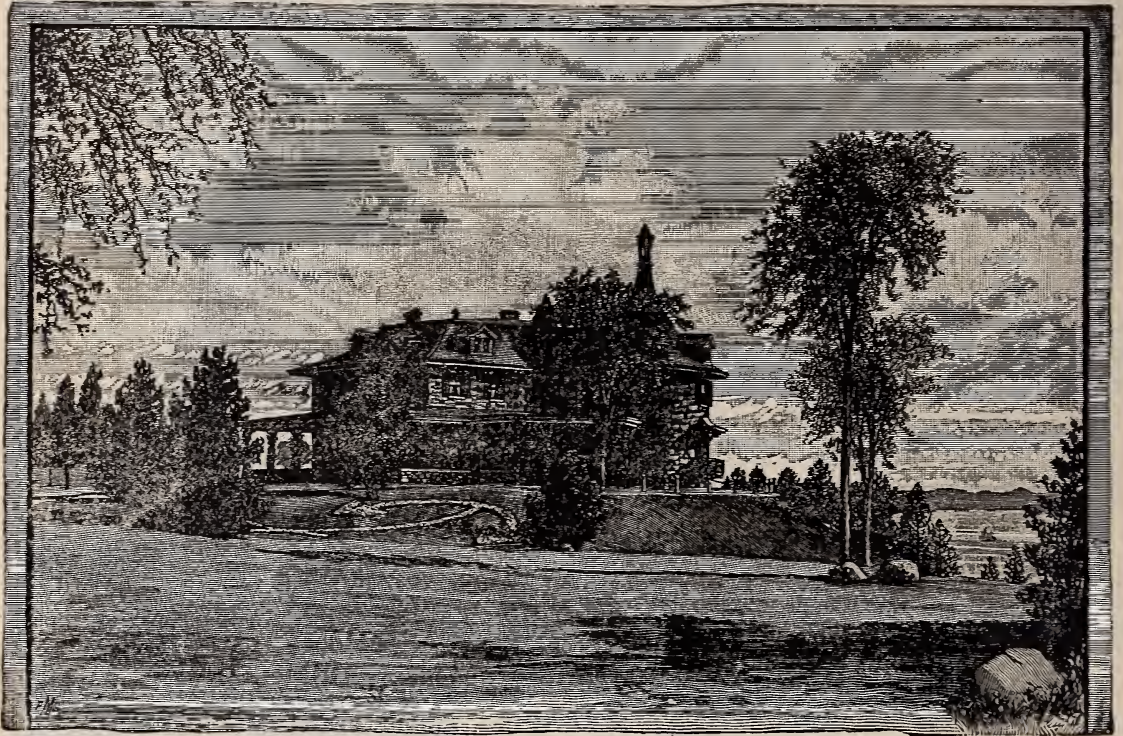
Yellow Trefoil or Hop Clover (*Medicago Lupulina*). Is an excellent fodder plant, mixed with other Clover and Grasses, but should not be used alone. 20c lb., \$1.40 for 10 lbs.

The prices quoted are subject to market fluctuations. Customers when in need of large quantities, send list of wants for lowest market prices

Add Ten Cents per Pound Extra if Sent by Mail.

Sow McCullough's "Suburban" Lawn Grass Seed

AND QUICKLY SECURE A PERMANENT, RICH, GREEN, GRASSY CARPET.



McCULLOUGH'S "SUBURBAN" LAWN GRASS SEED

Is a mixture of the finest Dwarf Evergreen Grasses that grow and flourish during different months of the year, so that a rich, deep green, velvety lawn is constantly maintained. Our mixture is the result of several years' experimenting, and as we now offer it, it is unequalled; the immense quantity we annually sell is the best proof we can offer. The quantity required for making a handsome lawn is three to four bushels (48 to 64 lbs.) per acre, or for renovating old lawns, one bushel (16 lbs.) per acre. For a plot 15 x 20, or 300 square feet, one pound is required for a new lawn, or about half a pound for renovation.

Price, \$3 per bushel (16 lbs.); \$1 per 5 lbs.; 25c per lb.; 15c per ½ lb. Ten cents per pound extra if sent by mail.

HOW TO MAKE A LAWN.—A fine lawn is an unflinching mark of intelligence and taste, to obtain which the main point is to start right. It is now a decided fact that Seed will make a better lawn than turf or sod. The best soil is a good medium texture, neither very heavy nor excessively light; the surface should be raked repeatedly, thoroughly pulverized, and smoothed to the desired grade; remove all large stones, roots, and hardened pieces of earth that can not be readily broken. As portions sink, the hollows should be firmly filled, ample time being allowed for the thorough settling of the soil, which is greatly aided by a few heavy showers of rain, and at the best time for lawn-making (April) these are usually sufficiently abundant. When the soil is firm, level and suitably moist, sow "SUBURBAN" LAWN GRASS SEED at the rate of three to four bushels (48 to 64 lbs.) per acre. One pound is sufficient to sow a small yard 15 x 20 feet, or 300 square feet. It is unwise to be too economical in the quantity of seed used, if the best results are desired. The seed should be sown broadcast and as evenly as possible, then rake lightly and give a thorough rolling or pat well with the back of a spade; the seed must be well firmed in the soil. When the young grass attains a height of three or four inches, carefully mow with a sharp scythe. After this, according to the season, it should be mown with a lawn mower every week or ten days. Each season the cultivated grasses after going to seed, lay dormant; at this time wild grass will appear to some extent, but only for a short time, as it will succumb to the vigorous second growth of the other.

RENOVATING LAWNS.—When your lawn has already been established, you will find it to your advantage to lightly re-seed each season. As early as possible, carefully rake off all dead leaves, etc., and sow "SUBURBAN" LAWN GRASS SEED at the rate of one bushel (16 lbs.) to the acre; roll thoroughly, or pat well with the back of a spade. To preserve a lawn in good condition, an annual dressing of "SUBURBAN" LAWN FERTILIZER (300 to 400 pounds to the acre) should be used.

PERMANENT GRASS SEED FOR GOLF LINKS.

We have always on hand all the valuable natural grasses of Europe and America, and we are familiar with the habits and merits of each. We shall be glad to prescribe for whatever the requirements of the Links may be for poor land or rich, high and dry, or low and wet.

Golf Links Mixture. For the grounds in general.....Per bushel of 20 lbs., \$3.00.

Putting-Green Mixture. A mixture of extra fine grasses, that will make a close, firm, green and lasting turf, which will improve the more it is tramped on.....per lb., 30c; 5 lbs., \$1.40; bush. of 20 lbs., \$5.00.

LAWN FERTILIZERS.

El Paso Sheep Manure. No other fertilizer produces such a marked and permanent effect upon lawns. No raking-off required. No seeds of foul weeds in it. No offensive odor. It is clean to handle. Absolutely safe to use in any quantity or in any manner. Use at the rate of from 300 to 500 lbs. per acre.....10c lb., 25c for 5 lbs., 50c for 12 lbs., 75c for 25 lbs., \$2.50 per 100 lbs.

Suburban Lawn Fertilizer. Is clean, free from any disagreeable odor; and does not contain weed seeds. Especially prepared for use upon lawns, and contains all the constituents for promoting a quick luxuriant growth, and a rich green color. When making a new lawn apply from 300 to 400 lbs. per acre, raking well into the soil. For improving the lawn scatter the fertilizer broadcast early in the spring. Lawn Fertilizer.....25c for 6 lbs., 50c for 13 lbs., 75c for 25c lbs., \$2.50 per 100 lbs., \$45.00 per ton.

WE SELL LAWN MOWERS AND LAWN ROLLERS. WRITE FOR PRICES.



General List.

The following list of Flower seeds has been carefully revised, and contains only the leading varieties of acknowledged merit, carefully selected and thoroughly tested. Annuals grow from the seed, bloom and perish in one season; biennials generally bloom the first and second years and then die; perennials bloom the second year and every year thereafter, some perishing after three or four years, others continue indefinitely. Some perennials, if started early, bloom the first year.

We offer the following inducements to those who wish to purchase packets in quantity; the low rates apply only to seeds by the packet:

For 25c. select 6 five-cent pkts.	For \$1 select seeds in pkts. to the amount of	\$1.30
For 25c. " 3 ten-cent "	For \$2 " " " "	\$2.65
For 50c. " 13 five-cent "	For \$3 " " " "	\$4.00

All Flower Seeds sent Free by mail on receipt of Price. Full Cultural Directions on each Packet.

Order by Number, and thus avoid writing the name in full.

ABRONIA.

Pretty trailing plants, producing clusters of sweet-scented, Verbena-like flowers, especially fragrant toward evening, lasting in bloom a long time; effective in beds, rock-work or hanging-baskets. Peel off the husk before sowing the seed. Half-hardy annual.

1 Umbellata. Rosy lilac, white eye; $\frac{1}{2}$ foot..... 5c pkt.



ABUTILON.—(Chinese Bell Flower.)

Greenhouse shrubs of easy cultivation, with beautiful drooping bell-shaped flowers of various colors; can be planted outside during the summer. Half-hardy perennial.

2 **Finest Mixture** of new fertilized sorts. Will give choice varieties.....10c pkt.



Abironia.

ACACIA.

Elegant half-hardy shrubs, having fine ornamental foliage, and beautiful racemes of various shades of yellow globular flowers. Soak the seed in warm water before sowing.

3 **Mixed.** Fine varieties; 6 to 10 feet.....10c pkt.

ACHILLEA THE PEARL.

4 A very free-blooming, hardy perennial plant, of branching habit. Useful for cut-flowers or for planting in cemeteries. Pure white double; $1\frac{1}{2}$ feet.....10c pkt.

ACROCLINIUM.

A beautiful class of everlasting flowers. Charming border plants, and valuable for winter bouquets. The flowers should be cut before they are fully open. Half-hardy annual.

5 **Roseum.** Bright rose; 1 foot.....5c pkt.

6 **Album.** Pure white; 1 foot.....5c pkt.

7 **Fine Mixed.**.....5c pkt.

ADONIS.—(Flos Adonis.)

Showy hardy annual of easy culture, with pretty fine-cut foliage, and lasting a long time in bloom.

8 **Estivalis.** Dark crimson flowers, with a light center; 1 foot.....5c pkt.



Agrostemma.

ADLUMIA.—(Mountain Fringe, or Allegheny Vine.)

An attractive and beautiful plant, flowering the first season; of graceful habit and pale green feathery foliage. Hardy biennial.

9 **Cirrhusa.** Pale pink; 15 feet.....5c pkt.

10 **AGATHEA Cœlestis.** (Blue Marguerite.) A very free-blooming plant, with blue daisy-like flowers. Fine for winter flowering inside. Tender perennial. $1\frac{1}{2}$ feet.....5c pkt.

AGROSTEMMA.—(Rose of Heaven.) An attractive free-flowering hardy perennial of easy culture, producing flowers on long slender stems like a single pink. Blooms the first season. Fine for cutting; 1 to 2 feet.

11 **Mixed Varieties**.....5c pkt.



Abutilon.

AGERATUM.

Valuable plants for large beds or borders, and very useful where cut-flowers are in demand; in bloom the whole summer; also good for winter blooming, of easy culture, succeeding in any soil. Half hardy annuals.

- | | | | |
|----|------------------|---|--------------|
| 12 | Blue Perfection. | Dwarf compact growth, large dark-blue flowers; valuable for borders and bedding | PER PKT. 10c |
| 13 | Lasseauxii. | Fine rose, long bloomer, 1½ ft. | 5c |
| 14 | Little Dorrit. | Azure blue, very floriferous, ¾ ft. | 5c |
| 15 | Mexicanum. | Lavender blue, constant bloomer, 2 ft. | 5c |
| 16 | Album. | White, profuse bloomer, 1½ ft. | 5c |
| 17 | Swanley Blue. | Very fine for bedding, ¾ ft. | 5c |

Allegheny Vine.

(See Adlumia.)

ALYSSUM.

One of the sweetest and most useful of summer flowers. It may be used for edgings, rock work, hanging baskets, etc. Continues in bloom the entire season; free-flowering and easily cultivated. Hardy annual.

- | | | | |
|----|---------------------|---|------------------|
| 18 | Sweet. | Flowers pure white | 30c oz., 5c pkt. |
| 19 | Little Gem. | Dwarf, compact habit, three to four inches high, white flowers | 40c oz., 5c pkt. |
| 20 | Saxatile Compactum. | Most valuable hardy perennial for early spring, producing a mass of bright yellow flowers, ¾ feet | 5c pkt. |



Ageratum—Blue Perfection.

AMARANTHUS.

Valuable for its varieties of handsome foliage. Sow the seed early, and set out plants last of May or June. Very effective for backgrounds and borders, or centers of beds. Hardy annual.

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|----|-------------------------------------|---|-------------|
| 21 | Bicolor Ruber. | Foliage green and dark red, tipped with yellow, 3 feet | PER PKT. 5c |
| 22 | Caudatus (Love Lies Bleeding). | Long drooping scarlet flowers, 3 feet | 5c |
| 23 | Melancholicus Ruber. | Dwarf compact habit, blood-red foliage, 2 feet | 5c |
| 24 | Salicifolius. | (Fountain Plant). Long undulated foliage, beautifully variegated, 3 feet | 5c |
| 25 | Tricolor Splendens (Joseph's Coat). | Rich glowing, scarlet crimson, effectively marked with yellow and bronze green, 2 ft. | 5c |

AMMOBIUM.

One of the hardiest of everlastings, very desirable for the garden, but more valuable for forming winter bouquets, in connection with grasses and other everlastings. The flowers should be gathered before fully opened. Hardy annual.

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|----|----------------------|--------------------|---------|
| 26 | Alatum Grandiflorum. | White large flower | 5c pkt. |
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AMPELOPSIS.

(Boston or Japanese Ivy.)

A hardy perennial species of Woodbine from Japan, with olive-green leaves, which turn to scarlet in the autumn. Will adhere to brick or stone walls.

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|----|-----------|------------|----------|
| 27 | Veitchii. | Fifty feet | 10c pkt. |
|----|-----------|------------|----------|

ANEMONE.

Handsome and easily grown, the seeds should be rubbed in sand to separate them from the cotton-like down with which they are covered, before sowing. Hardy perennial.



Alyssum—Little Gem.

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|----|-----------------------------------|--|---------|
| 28 | Coronaria, Finest Mixed. | The well-known spring-flowering garden anemone, 1 ft | 5c pkt. |
| 29 | Sylvestris (Snowdrop Windflower.) | Pure satin white, spring-flowering, 1 ft | 5c pkt. |

ANGELONIA.

- | | | | |
|----|-------------------|---|----------|
| 30 | Grandiflora. | Fine for culture in house or conservatory, beautiful spikes of sweet-scented blue flowers. Tender perennial, 1½ ft. | 10c pkt. |
| 31 | Grandiflora Alba. | A fine new plant for pots. The pure white sweet-scented flowers are freely produced, and contrast well with the dark green foliage. | 20c pkt. |

ANTHERICUM.

One of the finest ornamental garden plants, producing freely fine spikes of sweet-scented lily-like flowers through the summer. Hardy perennial, 1½ feet.

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|----|-------------------------------|---------------------------|-------------|
| 32 | Liliago (St. Bernard's Lily). | Pure white | PER PKT. 5c |
| 33 | Lilium (St. Bruno's Lily). | White with delicate spots | 5c |

ANTIRRHINUM.

(Snapdragon.)

One of our most showy and useful border plants. The more recently improved varieties of this valuable genus have large, finely shaped flowers of the most brilliant colors, with beautifully marked throats. They succeed in any good garden soil, and are very effective in beds. Hardy perennials, blooming the first year from seed; 1 to 2 feet.

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|----|---------------------|--|-------------|
| 34 | Firefly. | Dwarf brilliant scarlet | PER PKT. 5c |
| 35 | Golden Queen. | Large flowering pure yellow. Extra fine | 10c |
| 36 | Queen of the North. | Grows one foot in height, and densely covered with large white flowers. A gem for beds and borders, and valuable for pot culture | 10c |
| 37 | Dwarf, Finest Mixed | | 5c |
| 38 | Tall, Finest Mixed | | 5c |



Do not fail to order a packet of Phlox Drummondii Grandiflora.



Antirrhinum—Tom Thumb.



Aquilegia.

ASPERULA.

A profuse-flowering plant, with deliciously sweet-scented, bright azure-blue flowers, and elegant foliage. Hardy annual.

- 49 *Azurea Setosa*. Blue; free bloomer.....5c pkt.
50 *Odorato* (Woodroof) Very fragrant.....5c pkt.

ASTERS.

The Aster is one of the most popular and effective of our garden favorites. For beauty and variety of habit, form, and color, it stands unrivaled. No family of plants bears such distinct marks of progress in the last few years, in improved strains and new varieties. Give the Aster a deep, rich soil, and a mulching of coarse manure is very beneficial. A little liquid manure occasionally will give good results. Sow early in the house, and transplant into pots or boxes. As soon as the weather is warm enough, plant in beds about twelve inches apart. Half-hardy annuals.

- 51 *McCullough's Monarch, Mixed*. This mixture is composed of the finest large flowering double varieties, which, for size of flower, excellence of color and habit cannot be surpassed. Grown by specialists in Europe and America, each variety imported separately, and mixed by ourselves; the finest ever offered.....oz. \$5.00, ½ oz. 70c, 10c pkt.



- 69 *Blue*.....10c pkt.
70 *Pink*.....10c pkt.

AQUILEGIA.—(Columbine.)

Popular free-flowering plants, blooming profusely through the spring and early summer, and of easiest cultivation. Hardy Perennial 1 to 2 feet. PER PKT.

- 39 *Alba Flore Plena*. Double white; 1½ feet.....5c
40 *California Hybrida*. Large yellow flowers, with dark orange spurs.....10c
41 *Chrysantha*. Golden yellow, fine.....5c
42 *Coerulea Hybrida*. Large sulphur yellow flowers, blue spurs and sepals, fine.....10c
43 *Skinneri*. Scarlet tipped with green, very handsome and quite distinct.....10c
44 *Stuarti*. Large erect blue flowers, pure white corolla.....10c
45 *Double, Mixed*. Choice colors.....5c
46 *Single, Mixed*. Choice colors.....5c

ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor Fern.

- 47 Highly praised everywhere; handsomest seen drooping from a pot or basket. Sprays 4 to 6 feet long, of fresh, green, feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Grows freely the whole year round; extremely valuable for all purposes.....10c pkt.

ARISTOLOCHIA.—(Dutchman's Pipe.)

A climber, with very novel flowers. It grows very rapidly from seed, flowering the first year, if sown early, and is a very pretty vine for outside decoration in summer. Blossoms profusely, even on small plants. Perennial.

- 48 *Sipho*. Thirty feet.....5c pkt.



Triumph Aster.

- 52 *Betteridge's Improved Quilled*. Perfectly double, large showy flowers; finest mixed; 1½ feet.....5c
53 *Chrysanthemum, Flowered Dwarf*. Compact growth, large perfectly double flowers. Finest mixed. ¾ ft.....\$2.50 oz., 5c
54 *Crown or Cocardeau*. Large, white centered flowers, surrounded by brilliant colors; finest mixed. 1½ ft.....10c
55 *Dwarf Pyramidal Bouquet*. Pyramidal shaped plants with brilliant colored flowers; finest mixed.....10c

Giant Comet.

A distinct race; Large flowers with long, loose, wavy petals; very double and profuse bloomers; a most desirable sort.

- | PER PKT. | | PER PKT. | |
|---|--|--------------------------|---------------------------|
| 56 <i>Azure</i> . Blue.....10c | 60 <i>Violet</i>.....10c | 61 <i>White</i>.....10c | 62 <i>Yellow</i>.....10c |
| 57 <i>Crimson</i>.....10c | 63 <i>Mixed</i> . All colors.....\$4.00 oz., 10c | | |
| 58 <i>Rose</i>.....10c | | | |
| 59 <i>The Bride</i> . White passing to rose.....10c | | | |

- 64 *Giant Emperor*. Flowers of enormous size, very double, brilliant colors; finest mixed. 2 ft.....10c
65 *Goliath*. Large double, of great beauty; finest mixed. 2½ ft.....10c
66 *Harlequin*. Large flowers with striped petals, free flowering. 2 ft.....10c
67 *Japanese Mixed*. Flowers of immense size, with long petals curiously crested and curled; vigorous grower with long stems.....10c
68 *Mignon*. A valuable class, resembling in habit, height and form the Victoria, with flowers a little smaller, but more freely produced, and keeping a long time. Finest mixed. 1½ ft.....10c

Dwarf Queen Asters.

A beautiful new class of large-flowering asters of dwarf habit; bearing profusely full double imbricated flowers of great beauty.

- | | |
|------------------------------|---|
| 69 <i>Blue</i>.....10c pkt. | 71 <i>White</i>.....10c pkt. |
| 70 <i>Pink</i>.....10c pkt. | 72 <i>Mixed</i> . All colors.....10c pkt. |

ASTERS.—Continued.**Peony Flowered Perfection.**

One of the best and most extensively cultivated classes, having large, double, beautifully incurved flowers freely produced in the most brilliant colors. 2 ft. PER PKT.

73 Brilliant Rose.....	10c
74 Brilliant Scarlet.....	10c
75 Dark Blue.....	10c
76 Glowing Dark Crimson.....	10c
77 Rose and White.....	10c
78 Light Blue.....	10c
79 Snow White.....	10c
80 Finest Mixed All Colors.....	\$2.50 oz., 10c

**Semple's Giant Aster.**

PER PET.			
99	Blue and White.....	10c	102 Light Blue.....
100	Crimson.....	10c	103 Rose.....
101	Dark Blue.....	10c	104 Scarlet.....
108	Washington. This splendid variety is the largest Aster grown, bearing flowers 5 to 6 inches in diameter, very double, mixed colors.....		
109	Fine Mixed. A splendid mixture of colors.....	50c oz., 5c pkt.	
110	Single Flowering Marguerite. A valuable addition. They form globular plants and carry on long stout stalks a mass of star-shaped flowers which appear early and continue late into the autumn. Very effective in beds or borders and offer a pleasing change to the innumerable double sorts. Excellent for cutting.		
		5c pkt.	
111	Perennial Mixed. Single flowering; hardy herbaceous plants, thriving in any good garden soil. If sown early in the spring they will flower the first season.....		
		10c pkt	

BALSAM.—(Lady Slipper, or Touch-Me-Not.)

One of the oldest and best known summer-blooming annuals, of easy culture, producing the most striking flowers in abundance. Desirable for garden or pot culture. The soil should be of the richest and best quality. Set them about fifteen inches apart, and give them plenty of manure-water. Tender annuals; 2 feet. PER PKT.

112 McCullough's Premier Mixed. Unrivalled for the great variety of color and size of flower; includes all the most desirable shades and colors.....	\$1.50 oz., 10c
113 Double Camellia Flowered, Mixed. Of perfect form; beautiful colors.....	\$1.00 oz., 10c
114 White Perfection. The finest pure white grown; flowers unusually large, solid and double.....	\$1.50 oz., 10c
115 Double Solferino. White, striped, purple and scarlet.....	10c
116 Rose Flowered, Double Scarlet.....	10c
117 Rose Flowered, Double Pink.....	10c
118 Choice Double Mixed. All kinds.....	50c oz., 5c

Bachelor's Button.—(See Cyanus.)**Balsam Apple and Pear.—(See Momordica.)****Balloon Vine.—(See Cardiospermum.)****BEANS.**

Very rapid climbers; flowering profusely, and admirably adapted for covering screens, etc.

119 Scarlet Runner. Fiery Scarlet.....	5c pkt.
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Princess.

Splendid new class, with very double, beautifully imbricated, short petalled flowers resembling Pompon Dahlias, free and long bloomer, superior for cutting. 1½ ft. PER PKT.

81 Light Blue.....	10c
82 Rosalind. Bright Rose.....	10c
83 Snowball. Beautiful snow white.....	10c
84 White Passing to Rose.....	10c
85 Prince of Wales. Large globular flowers of beautiful and brilliant colors, finest mixed. 1½ ft.....	10c

Queen of the Market.

A handsome profuse-blooming class with double, finely formed flowers, coming into bloom 3 to 4 weeks before others sorts. Extensively grown by Florists for early cutting. 1 to 1½ ft.

86 Crimson.....	5c pkt.	89 Rose.....	5c pkt.
87 Dark Blue.....	5c pkt.	90 White.....	5c pkt.
88 Light Blue.....	5c pkt.	91 Mixed. All Colors.....	\$2.00 oz., 5c pkt.
92 Rose Flowered. A beautiful variety, pyramidal, robust habit, regular imbricated, brilliant-colored flowers. Mixed.....	10c pkt.		

Semple's Branching.

A superior and free-flowering class. The flowers are large, with graceful wavy petals on long stems; excellent for cutting. 3½ ft.

93 Light Blue.....	10c pkt.	95 White.....	10c pkt.
94 Pink.....	10c pkt.	96 Mixed. All Colors.....	\$4.00 oz., 10c pkt.

Triumph.

Flowers of faultless Pæony form, all petals being beautifully incurved. The color is peculiarly rich and brilliant.

97 Deep Scarlet. Color rich, brilliant scarlet; plants bearing from 30 to 40 flowers. Height, about 7 in. Is well adapted for borders or pot culture.....	15c pkt.
98 Scarlet and White. The flowers are large, perfectly double. Of a brilliant scarlet, each petal being margined with white, making it exceedingly effective.....	15c pkt.

MCCULLOUGH'S IMPROVED VICTORIA.

An unrivaled and favorite class. The flowers are of great size, measuring four inches and over across, and of great richness and variety of color; from 20 to 40 on a plant; height, 12 to 15 inches.

PER PKT.		PER PKT.
105 White.....	10c	PER PKT.
106 Yellow.....	10c	
107 Finest Mixed. All colors.....	\$4.00 oz., 10c	

**Camellia-Flowered Balsams.**

BEGONIA.

Plants of great value for summer decoration or window gardening. To secure the best results, they should be planted as soon as the ground becomes warm. They are covered the whole summer with bright and elegant drooping flowers; blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees. For winter and spring blooming, sow from August to October. Tubers must be kept from frost in dry sand. Greenhouse perennial.

PER PKT.

- 120 **New Frilled.** A most unique form, with very large single flowers which are entirely distinct. The petals being wavy and beautifully frilled on the edges similar to the newer forms of Petunias. A decided acquisition.....25c
- 121 **Gigantea Cristata.** (Bearded Tuberous Rooted Begonia). The flowers are single, very large, and in great variety of color. The remarkable feature, however, is that attached to each petal is an irregularly fringed appendage which adds greatly to their beauty. 25c
- Semperflorens.** The following new perpetual flowering varieties, are very effective for bedding and greenhouse decoration.
- 122 **Atrosanguinea.** Large deep red flowers and bronze green foliage.....15c
- 123 **Crimson Gem.** Rich, red flowers, and crimson bronze foliage.....15c
- 124 **Duchess of Edinburgh.** Very large white flowers suffused with pink.....15c
- 125 **Single Tuberous Rooted.** Mixed.....15c
- 126 **Double Tuberous Rooted.** Mixed.....25c
- 127 **Rex Hybrida.** Beautiful varieties of the Rex class, with handsome variegated foliage, choice mixed.....25c



Single Begonias.

HINTS**ON THE CULTURE OF FLOWERS FROM SEED.**

⚠ Much annoyance and disappointment may be saved by giving close attention to the following: Avoid especially deep planting, over-watering, under-watering, or sowing too thickly.

BELLIS.—(Double Daisy.)

A favorite plant, in bloom from April to June. The seed we offer is saved from the finest double varieties. Daisies can be easily raised from seed sown in the spring.

PER PKT.

- 128 **Longfellow.** A fine, large, double-flowering Daisy, with dark rose flowers.....10c
- 129 **Snowball.** A beautiful white variety, with long stem, and very double flowers; fine for cutting.....10c
- 130 **New Giant Double.** Beautifully and densely imbricated flowers 1½ to 2 inches in diameter. Finest mixed.....15c
- 131 **Finest Mixed.** All colors.....10c

BRACHYCOME.

(SWAN RIVER DAISY.)

Free-flowering, dwarf-growing plants, covered during the greater part of the summer with a profusion of pretty, Cineraria-like flowers.



Brachycome.

Bellis—Double Daisy.

ers. Suitable for edgings and small beds, or pot culture. Half-hardy annual. 1 foot.

- 132 **Brachycome, Mixed.** Light blue and white.....5c pkt.

BROWALLIA.

Free-flowering plants, covered with rich, delicate flowers, which continue to bloom during the summer and autumn. Sow during April and May, in good, light, rich soil. Half-hardy annual.

- 133 **Browallia.** Fine mixed. 1½ feet.....5c pkt.

BRYONOPSIS.

A pretty climber, with ivy-like foliage, and beautifully marked green fruit which changes to bright scarlet, marbled white. Half-hardy annual.

- 134 **Bryonopsis.** 10 feet.....5c pkt.

BLACK-EYED SUSAN.—(See Thunbergia.)

BLUE-BOTTLE OR RAGGED SAILOR.—(See Cyanus.)



Group of Cacti.

- orange color, making a brilliant appearance.....
 139 **Pure Gold.** A grand variety, with double extra large flowers of a pure golden yellow.....5c pkt.

CACTUS.

Beautiful plants for pot culture in the window or greenhouse. The flowers of some are very beautiful, and the foliage of others very curious.

- 135 **Mixed Varieties,**.....15c pkt.

CALENDULA.—(Pot Marigold.)

Showy, free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders and continuing in bloom until killed by frost; valuable also for pot culture, blooming freely in winter and early spring; 1 ft.

- 136 **Pongel Flore Pleno.**

Showy, very double white flowers.....5c pkt.

- 137 **Meteor.** A splendid variety, very large double-striped and imbricated flowers, of a deep orange on a pale yellow ground. 30c oz., 5c pkt.

- 138 **Prince of Orange.** This novelty surpasses in beauty the well-known, popular *Calendula Meteor*. The stripes around each petal are of a deep

orange.....30c oz., 5c pkt.
5c pkt.



Calceolaria.

CALCEOLARIA.

Unsurpassed for pot culture in the greenhouse or conservatory; producing their brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity, and variety of color.

- 140 **Hybrida Grandiflora.** Mixed. From the finest formed and most beautifully marked varieties, striped and spotted...25c pkt.

CALLIOPSIS OR COREOPSIS.

Showy and beautiful free-flowering annuals, blooming all summer and excellent for cutting. 1½ to 2 feet.

- PER PKT.
 141 **Coronata Maxima.** Showy large yellow.....40c oz., 5c
 142 **Golden Wave.** A very showy sort, with bright, golden-yellow flowers, with small, dark centers, blooming profusely.....30c oz., 5c
 143 **Finest Mixed.** All colors mixed.....30c oz., 5c
 144 **Lanceolata.** A hardy perennial. Large golden-yellow on long stalks, excellent for cutting.....5c
 145 **Grandiflora** (California Sunbeams). Improved hardy varieties. The flowers, besides being very large, vary in form; some are flat, while others are like Giant Buttercups, with broad fringed petals, and range from light to very deep yellow. The stems are long, and the flowers keep fresh in water for a week or ten days.....10c

CALIFORNIA POPPY.

(See *Eschscholtzia*.)



Campanula.

CAMPANULA.

Well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell-flowers; thriving best in light rich soil; some of the varieties flower the first season if planted early.

- 146 **Japonicus.** A fine perennial flowering the first season from seed; the flowers are three inches in diameter, semi-double and of an intense glossy blue color, and produced in great profusion on numerous branches. 10c pkt.



Calliopsis.

- PER PKT.
 147 **Media Calycanthema.** White and blue flowers, resembling a cup and saucer.....5c
 148 **Mirabilis.** In form and size of bloom resembling the Canterbury Bell. Growing to a height of two feet, is of pyramidal outline, each branch producing at the end a large number of light blue or violet flowers, the quaintly-toothed, leather-like leaves presenting a really beautiful appearance.....10c
 149 **Persicifolia Grandiflora.** Fine blue, beautiful variety.....10c
 150 **Double, Mixed.** All colors.....5c
 151 **Single, Mixed.** All colors.....5c

What we can not Recommend we do not Catalogue, and what we do not Catalogue you do not want.

CANDYTUFT.

Universally known and cultivated, and considered indispensable for cutting. All the varieties look best in beds or masses. Seed sown in autumn produces flowers early in spring; when sown in April flowers from July till frost comes. Hardy and easy to cultivate. Single plants transplanted look well and bloom profusely. Hardy annual.

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|--|-------------|
| | PER PKT. |
| 152 Empress, or Snow Queen. Large trusses of pure white flowers, fine florist's variety..... | 40c oz., 5c |
| 153 White Rocket. Pure white, large truss..... | 20c oz., 5c |
| 154 Fragrant. Pure white, pinnated foliage; 1 foot..... | 20c oz., 5c |
| 155 New Carmine..... | 25c oz., 5c |
| 156 Atropurpurea. Dark crimson..... | 20c oz., 5c |
| 157 Finest Mixed. All colors..... | 20c oz., 5c |
| 158 Tom Thumb, Finest Mixed. All colors. 6 inches..... | 5c |



PER PKT.

25c oz., 5c

20c oz., 5c

20c oz., 5c

5c



White Rocket Candytuft.

PER PKT.

- 159 *Iberis Sempervirens*. A profuse white-blooming hardy perennial, adapted for rockeries, baskets, etc.; 1 foot.....10c
- 160 *Iberis Gibraltarica Hybrida*. Very fine species, with white flowers, shading off to lilac; one foot.....15c

HARDY PERENNIAL**CANDYTUFT.**

Crozy's Cannas.

CANNA.—(Indian Shot Plant.)

Highly ornamental plants, producing a rich effect by their large, broad and massive foliage, and spikes of brilliant flowers. Soak the seeds 12 hours in hot water before planting; sow in sandy loam or peat, and place in a hot-bed; when up to the second leaf, pot off singly and keep under glass until the proper season for planting out. Half hardy perennial.

PER PKT.

- 161 Crozy's New Large-flowering Dwarf, French. Comprising all the newest and most beautiful varieties. (See cut).....10c
- 162 Gigantea Major. Dard red; 6 to 8 ft.....5c
- 163 Fine Mixed.....per oz. 40c., 5c
- 164 Dark-leaved Varieties. Fine mixed.....5c

CARDIOSPERMUM.—(Balloon Vinc.)

A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons.

- 165 *Cardiospermum*. (Love-in-a-Puff.) White; 5 ft.....5c pkt.

FOR EARLY BLOOM.

Flowering soon after the seed is sown, we would recommend Alyssum, Candytuft, Calliopsis, Larkspur, Mignonette, Petunia, Phlox and Double Poppies.

CARNATION.

Carnations and Picotee Pinks are general favorites for their delicious fragrance and richness of colors. They are indispensable, both for greenhouse culture in winter and for the garden in summer. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers; protect during the winter. Half-hardy perennial; 1½ ft. PER PKT.

166 Extra Choice, Mixed. From the finest-named varieties.....25c

167 Fine Double, Mixed. The hardiest and best varieties for garden culture.....10c

168 Chabaud Giants. (Earliest French Perpetual). Improved large-flowering class of finest colors. Combining earliness with the perfection of flowers of the perpetuals.....20c

169 Grenadin. Brilliant double scarlet, dwarf.....10c

170 Picotee. Edges of petals bordered with various colors. Choice mixed.....20c

171 Riviera Market. The finest Perpetual Carnations and of nearly as rapid growth as the Marguerite class; over 80 per cent. of splendid double flowers, with a large percentage of yellows.....20c

172 Marguerite. These are deservedly the most popular Carnations with the amateur, as they begin flowering in a few weeks from time of sowing. The strain offered is of semi-dwarf robust habit, producing on long strong stems an abundance of large, beautifully-fringed, highly scented flowers. Finest mixed. \$1.00 ¼ oz., 10c

- 173 Marguerite, White. Fine double flowers.....10c
- 174 Marguerite, New Giant. Immense double flowers in finest and brightest colors.....20c

CASTOR OIL BEAN.—(See Ricinus.)

Marguerite Carnation.

**CENTROSEMA.**

(The Butterfly Pea.)

175 This interesting and beautiful novelty is a hardy perennial vine of rare and exquisite beauty. It blooms early in June from seed sown in April, and bears in the greatest profusion inverted pea-shaped flowers, from 1½ to 2½ in. in diameter, ranging in color from a rosy violet to a reddish purple...10c pkt.

CENTROSEMA GRANDIFLORA
"LOOK AT ME!"

CELOSIA, OR COCKSCOMB.

Free-blooming, graceful plants, growing best in rather light soil, not too rich, producing spikes of beautiful feathery and comb-shaped flowers; grown in pots, they are fine for the greenhouse or conservatory. The plumed varieties are fine for cutting and drying for winter bouquets, which should be done when they are in full bloom, and before they fade. Half-hardy annuals.

PER
PKT.



Celosia. Glasgow Prize.

- 176 Glasgow Prize, or Tom Thumb. Dark leaves and crimson comb.....10c
177 Golden Beauty. Dwarf Golden Yellow.....10c
178 Queen of Dwarfs. Rose colored combs.....10c
179 Cristata Variegata. Variegated cockscomb, bearing brilliant combs of crimson and gold.....5c
180 Japonica. Japanese. Scarlet or crimson. The combs are almost as delicately cut as ruffled lace.....5c
181 Ostrich Feather, Crimson. A most attractive strain, with fine long-plumed or feathered flower sprays. 3 feet.....10c
182 Golden Plume. Pyramidal habit. Flowers bright golden yellow.....10c
183 Plumosa, Finest Mixed. Charming annual, with magnificent feathering spikes. 1½ feet.....5c

CENTAUREA. (Dusty Miller.)

An interesting and showy variety of plants used extensively for ribbon bordering or carpet bedding. Also fine for vases, baskets and pots. Half-hardy perennial.

- 184 Gymnocarpa. A graceful silver foliage variety for bedding or pot culture.....10c
185 Candidissima. Silver-leaved plants for beds, borders or vases.....10c

CENTAUREA CYANUS. (Ragged Sailor, Cornflower or Blue Bottle.)

Favorite annual; does well everywhere. Largely used as a cut flower.

- 186 Emperor William. Finest dark blue.....5c pkt. | 187 White.....20c oz., 5c
189 Double. Produces double globular heads of flowers of large size and filled up to the centre with florets; the mixture we offer contains many novel new colors, some prettily striped.....10c
190 Marguerite. A new pure white variety, with very large and deliciously fragrant flowers; fine for bouquets.....10c
191 Chameleon. Large, fragrant flowers, constantly changing in hue from a bright yellow to lilac and rose.....10c pkt.
192 Moschata, Finest Mixed. (Sweet Sultan). Sweet scented and free flowering, in choice colors. 2 feet.....5c pkt.
193 Suaveolens. Beautiful, yellow, thistle-like, sweet-scented flowers. 5c pkt.



New Double Cyanus.



Centaurea Marguerite.

CINERARIA.

A well known green house plant, having a range and brightness of color scarcely surpassed. It may be had in bloom through the greater part of the year.

- PER PKT.
- 194 **Hybrida Grandiflora.** This strain of Cineraria cannot be surpassed, either for size of flowers or beauty of color. Many of the blooms measure 2½ inches in diameter. We have received very flattering reports from florists and private gardeners of their success with our Cineraria seed.....25c
- 195 **James' Prize.** An English strain of superb form; flowers very large and beautifully marked and brilliant colors.....25c
- 196 **White Gem.** A pure white variety, excellent for Easter decoration. 25c
- 197 **Kermesina.** One of the richest colored of this beautiful class. Flowers are of the largest size, of an intense glowing velvety dark crimson.....25c
- 198 **Double Mixed.** Large flowering double varieties. All the rich and beautiful colors of the single sorts exist in this beautiful selection.....50c
- 199 **Maritima Candidissima.** (Dusty Miller.) Silver foliage. Fine for bedding; ribbon beds and margins, half hardy perennials. 2 ft.....oz. 75c., 5c



Cineraria Hybrida Grandiflora.

CHRYSANTHEMUM.

Showy and effective garden favorite, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot culture, and quite distinct from the autumn flowering varieties.



Chrysanthemum Tricolor.

- PER PKT.
- 200 **Eclipse.** Golden yellow, with a bright purplish scarlet ring, and dark brown disc.....5c
- 201 **Lord Beaconsfield.** White centre, crimson band.....5c
- 202 **Segetum Grandiflorum.** Large bright sulphur yellow; fine for winter blooming.....5c
- 203 **The Sultan.** Maroon, golden yellow centre.....5c
- 204 **W. E. Gladstone.** Brilliant crimson.....5c
- 205 **Tricolor.** Single mixed.....25c oz., 5c
- 206 **Coronarum, Double White.**.....5c
- 207 **Coronarum, Double Yellow.**.....5c
- 208 **Double Fringed Hybrids.** Fine strain, with large, double, beautifully fringed flowers in many colors.....10c
- 209 **Finest Mixed.** Double and single, extra choice.....25c oz., 5c
- 210 **Frutescens, Marguerite, or Paris Daisy.** White, star-like flowers, with a yellow centre; perennial.....10c
- 211 **Comtesse de Chambord.** Large golden yellow, perennial.....10c
- 212 **Maximum "Moon-Penny" Daisy.** This is one of our finest hardy perennials, forming bushy plants about 2 ft. high, which are literally covered with large white flowers 3 inches across. They are highly prized for cutting purposes, and last, in water, for fully a week in perfect condition. Will flower first season from seed, if sown early.....10c
- 213 **Inodorum Pleno.** Double, snow-white, very free-flowering, and fine for cutting. A perennial, flowering the first year from seed.....10c
- 214 **Japanese Hybrids.** Saved from a magnificent collection, from blooms that have been carefully crossed, and may be expected to produce some rare novelties in this popular flower. Seed sown in Spring will produce flowering plants by fall.....20c

CLARKIA.

A most desirable, free-growing plant, blooming in almost any soil, but when planted in rich loam its beauty is unsurpassed. Will continue in bloom nearly all summer. Sow in April or May and thin out. Hardy annual.

- PER PKT.
- 215 **Rosen, fl. pl.** Beautiful double-rose variety; 1½ ft.....5c
- 216 **Mrs. Langtry.** Snow white, crimson center.....5c
- 217 **Finest Double, Mixed.**.....40c oz., 5c
- 218 **Finest Single, Mixed.**.....40c oz., 5c

CLEMATIS.

Handsome hardy climbers, for training on walls, trellises, etc., or drooping over rock work. Hardy perennial.

- PER PKT.
- 219 **Large-flowering Mixed (Jackman's).** Flowers 3 to 4 in. across, of charming shades of blue, white, purple, etc.....10c
- 220 **Paniculata.** One of the finest. Of robust habit, and covered from the ground to the summit with pure white, fragrant flowers, freely produced, completely hiding the foliage. The flowers are followed by pretty seed pods of bronzy red, 12 feet.....10c

CLIANTHUS.—(Australian Glory Pea)

A beautiful perennial shrub, with clusters of rich scarlet pea-shaped flowers, three inches in length, each flower picturesquely marked with a large black blotch in the center. Sow the seed in small pots, as the roots will not bear removal. Half-hardy.

- PER PKT.
- 221 **Clianthus Dampierii.**.....5c

COBÆA SCANDENS.

A magnificent rapid-growing summer climber, and bearing large bell-shaped white and purple flowers. In sowing, place the seeds edgewise and cover lightly.

- PER PKT.
- 222 **Purple Lilac.** 20 ft.....10c
- 223 **Alba.** White, very fine; 20 ft.....10c

COLEUS.

One of the most beautiful of our variegated foliage plants for house or garden decoration, of rapid growth and easy culture.

- PER PKT.
- 224 **New Large-Leaved Varieties.** Finest mixture, saved from new varieties, with very large and superbly variegated foliage. 25c



Coleus.

CONVOLVULUS MAJOR.

(MORNING GLORY.)

One of the most free-flowing and rapid-growing plants in cultivation, thriving in almost any situation. The beauty and delicacy of their brilliant flowers are unsurpassed. Hardy annuals. 15 feet.



Imperial Japanese Morning Glory.

226 **Finest Mixed.** All colors.....15c oz., 5c pkt.

227 **Double Flowering.** About eighty per cent. of the seedlings will produce double flowers, the remainder semi-double or single.....10c pkt., 3 pkts. for 25c

228 **New Imperial Japanese.** The flowers are of gigantic size, exquisite variety of colors and with magnificent marbled foliage. The flowers measure from four to six inches across. The colors are limitless in variety and very beautiful. Of easy culture, and if sown early will produce magnificently. Choicest mixed.....10c pkt., 3 pkts. for 25c

Convolvulus Minor.

(DWARF MORNING GLORY.)

Rich-colored, handsome dwarf trailing plants, producing in beds and mixed borders an unusually brilliant effect. Hardy annuals. 1 ft.

229 **Mauritanicus.** A beautiful trailing variety for vases, baskets, etc.; flowers blue, white, and yellow throat.....5c pkt.

230 **Dwarf, Mixed.** Including many varieties.....5c pkt.

Columbine.

(See Aquilegia.)



Double Flowering Morning Glory.

Coreopsis.

(See Calliopsis.)

COSMOS.

Beautiful autumn-blooming plants. The flowers are borne profusely on long stems, and present a charming appearance when the plants are in full bloom. Should be sown in spring, in the open ground, when danger of frost is past, or the seed may be started under cover and afterwards transplanted. It is of the easiest culture, planted about eighteen inches apart in rows or in masses in beds. When the plants are about a foot high, the tops should be pinched out to induce a bushy growth, and this should be continued until the middle of July, when they should have formed nice bushy plants three feet high by the same in diameter. They produce, from September until cut down by frost, thousands of beautiful flowers, furnishing an abundance of cut blooms for autumn decoration when other flowers are scarce

	PER PKT.
231 Large Flowered Perfection, Crimson	\$1.50 oz., 10c
232 " " " Pink	\$1.50 oz., 10c
233 " " " White	\$1.50 oz., 10c
234 " " " Mixed	\$1.00 oz., 5c

235 **Giant Early Flowering, Finest Mixed.** Superb mixture in every shade, from pure white to crimson, and in great variety of forms. Immense flowers, four to five inches in diameter.....\$2.00 oz., 10c

236 **California Monster Hybrids.** The flowers of this new strain are of immense size, and produced in great diversity of form and color. Finest mixed.....\$2.00 oz., 10c

237 **Tints of Dawn.** White ground, flushed pink of various forms; very beautiful.....15c



Cosmos.

- 238 **Improved New Yellow.** Large flowers of greatest substance, measuring 2½ inches across; upright habit of growth. Yellow Cosmos blooms from seed in about six weeks, and continues to bloom for months.....15c
- 239 **New Marguerite.** One of the prettiest and daintiest varieties; flowers measure from 2½ to 3 inches across; the petals are deeply and irregularly lacinated or fringed. Finest mixed.....15c
- 240 **New Orange Colored.** The foliage is much more coarsely serrated than the ordinary Cosmos; the plants grow four to five feet high, and are covered with myriads of brilliant orange yellow flowers, two inches across.....15c

CYCLAMEN. Persicum Giganteum.

Charming plants, with beautiful foliage and rich-colored, fragrant flowers, universal favorites for winter and spring blooming. The Giganteum varieties have large leaves and stout flower stalks, throwing the flowers well above the foliage. Seed may be sown any time during the autumn or spring in shallow boxes (two inches deep) at a temperature of 60°. As soon as the seedlings have made two leaves, transplant into 2-inch pots, and place on shelf near the light shaded from direct sunlight. Shift into 3-inch size, and into larger as the operation becomes necessary.

- 241 **Crimson King.** Very large, brilliant color.....35c
- 242 **Duke of Connaught.** Rich purplish crimson, of unusually large size.....35c
- 243 **Excelsior.** White, red base; fine.....35c
- 244 **Mont Blanc.** Pure white; extra fine.....35c
- 245 **Picturatum.** White and pink.....35c
- 246 **Princess May.** Bright pink, beautiful large flowers of fine form.....35c
- 247 **Prince of Wales.** Large, brilliant red, of fine form and substance.....35c
- 248 **Sanguineum.** Intense blood-red; fine.....35c
- 249 **Finest Mixed.** A magnificent strain, with flowers of large size and great substance. The leaves are large and beautifully marked with silver grey.....25c



Cyclamen.

CYPRESS VINE.

One of the most popular summer climbers; flowers small, thickly set, in delicate fern-like foliage. Half-hardy annual.

PER PKT.

250 Scarlet	Oz. 30c.	5c
251 White	Oz. 3 c.	5c
252 Mixed Colors	Oz. 30c.	5c

DAHLIA.

One of our best autumnal flowering plants; blooms until killed by frost; tuberous-rooted half-hardy perennials, blooming the first year from seed, if sown early; protect the roots during winter in a dry cellar in sand. 2 to 6 feet.

253 Double Large-Flowered. Saved from the best double largest flowered sorts; unrivalled strain.....	10c
254 Pompon. Small-flowered, from named varieties; very fine.....	10c
255 Single Giant Perfection. A new strain, surpassing all others in size and colors.....	10c
256 Cactus. Brilliant-colored Dahlias, known as the Juarez.....	10c

DATURA. (Trumpet Flower.)

In large clumps and borders of shrubbery they produce an excellent effect, continuing in bloom until frost; flowering the first year from seed, if sown early. They can be preserved in sand during the winter in a dry cellar free from frost. Half-hardy perennials, 3 ft.

257 Arborea (Brugmansia). Large single trumpet-shaped, white, fragrant flowers, about 12 inches long; plant out in May.....	10c
258 Cornucopia ("Horn of Plenty.") A grand variety; the flowers average eight inches long by five across; French white inside, purple outside; delightfully fragrant; started early will flower from early summer until frost.....	10c
259 Double Golden. Large double flowers, of a deep golden-yellow; delightfully fragrant.....	5c
260 Fastuosa Huberiana. Large double flowers of various colors.....	5c



Double Dahlias.

DELPHINIUM. (Perennial Larkspur.)

Magnificent border plants with gorgeous spikes of bloom, varying in shade from the most delicate white to the richest blue. If the seed is sown early they will flower the first season.

PER PKT.

261 Cardinale. Splendid scarlet, very fine. 4 feet.....	10c
262 Elatum Hybridum (Bee Larkspur). Rich deep blue, very free blooming. 4 ft. ...	5c
263 Formosum. Beautiful spikes of brilliant rich blue flowers, with a white centre. 2½ feet.....	5c
264 Grandiflorum Fl. Pl. Finest double, mixed in great variety of charming colors. 2 feet.....	10c
265 Nudicaule. Dwarf, compact growth, with spikes of bright scarlet flowers. 18 in.....	10c
266 Zolli. A lovely shade of sulphur yellow. 4 ft. 10c	
267 Hybrida, Fl. Pl. Finest double variety. Mixed.....	10c

DIANTHUS OR PINKS.

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom; highly valued for cutting. The hardy biennials, or Chinese and Japanese varieties, bloom the first season, the same as hardy annuals; height 1 foot. The hardy perennial varieties are very fragrant and of easy culture for the garden or greenhouse.

PER PKT.

Datura Cornucopia.

fusion of bloom; highly valued for cutting. The hardy biennials, or Chinese and Japanese varieties, bloom the first season, the same as hardy annuals; height 1 foot. The hardy perennial varieties are very fragrant and of easy culture for the garden or greenhouse.

Double Annual Varieties.

268 Chinensis Fl. Pl. (Chinese Pink). Double finest mixed...Oz. 40c.	5c
269 Heddewigii Fl. Pl. (Japan Pink). Very large flowers...Oz. \$1.00	5c
270 Heddewigii Albus Fl. Pl. Double white, fringed flowers, very fine.....	Oz. \$1.00
271 Heddewigii Atropurpurea Fl. Pl. Double blood red...Oz. \$1.00	5c
272 Heddewigii Atropurpurea Alba Marginatus (Mourning Pink). Double purple, margined with white, very fine...Oz. \$1.00	5c
273 Diadematius Fl. Pl. (Diadem Pink). Beautiful large double flowers, splendid variety.....	Oz. \$1.00
274 Imperialis Fl. Pl. (Double Imperial Pink). A very pretty variety, beautifully variegated.....	Oz 60c.
275 Laciniatus Fl. Pl. Large double flowers, with fringed edges and beautifully striped.....	Oz. \$1.00

Single Annual Varieties.

276 Crimson Belle. Of largest size, dark crimson.....Oz. \$1.00	5c
277 Eastern Queen. Beautifully marbled with light and dark mauve.....	Oz. \$1.00
278 The Bride (Little Gem). Large single, white, purple centre, very pretty.....	Oz. \$1.00
279 Laciniatus. A beautiful sin le-fringed variety, two to three inches in diameter. Mixed colors.....	5c
280 Laciniatus, Nanus New Hybrids. Very showy, with fringed petals, distinguished by a dark ring around the centres of flowers; a charming novelty.....	10c



Dianthus Chinensis.

DIANTHUS HARDY PERENNIAL VARIETIES.

These hardy varieties are well adapted for beds and borders, delightfully sweet-scented; should be in every garden where cut flowers are wanted.

- 281 **New Perpetual.** Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color. PER PKT. 20c
- 282 **Oriental Beauties.** A magnificent strain of new large-flowering Dianthus. These splendid flowers measure from 3 to 4 inches across with petals measuring $1\frac{1}{2}$ inches diameter. They are most exquisitely formed, the petals being full overlapping, crinkled and lacinated. They range in color from pure white through shades of pink and crimson, the coloring and markings is rich beyond description, nothing could be more dainty and pretty than their charming ruffles and frills. They are perfectly hardy, are perpetual bloomers, needing only to be cut back every few weeks to bring on a new crop of flowers. 20c
- 283 **Plumarius.** (Pheasant-eye). A beautiful, single hardy pink, with fringed-edged white flowers, with a dark centre. 5c
- 284 **Plumarius Fl. Pl.** Double and semi-double varieties in beautiful colors. 10c
- 285 **Turner's Show Mixed.** An extra strain of double Scotch Pinks from choicest sorts. 20c

DIGITALIS.—(Foxglove.)

A handsome and highly ornamental hardy perennial plant, of stately growth, fine for shrubberies and other half-shady places; 3 ft. PER PKT.

- 286 **Gloxinaeflora.** Gloxinia-shaped flowers; a lovely type; all colors mixed. 5c
- 287 **Ivory's Spotted.** A splendid strain, containing all the best shades of color and exquisite markings. 5c

*Dianthus Heddwigii.*

- 288 **Monstrosa.** Long spike of many flowers surmounted with one enormous flower. 5c pkt.
- 289 **Purpurea Finest Mixed.** Splendid for mixed borders. 5c pkt.

DOLICHOS.—(Hyacinth Bean.)

Ornamental climbers, often growing 15 to 20 ft. in a season, bearing clustered spikes of purple and white flowers. Tender annuals.

- 290 **Mixed.** 5c pkt.

DRACAENA.

Ornamental plants with long, graceful foliage, extensively used in vases and for house decoration. Tender Perennial. PER PKT.

- 291 **Finest Mixed.** Including the best sorts. 15c
- 292 **Indivisa.** Narrow, dark green foliage. 10c
- 293 **Veitchii.** The midrib is a beautiful, deep red on the back, graceful. 10c

Dusty Miller.—(See Centaurea and Cineraria.)

ECHEVERIA.

Interesting greenhouse succulents, with racemes of scarlet and yellow flowers. They are also largely used for carpet bedding. Half-hardy perennials.

- 294 **Secunda Glauca.** Small compact-growing variety, free-flowering, scarlet and yellow racemes of bloom. Fine. 25c pkt.

ESCHSCHOLTZIA.—(California Poppy.)

A showy and profuse-flowering variety of plants, with rich, beautiful colors. Delight in a rich soil. Very attractive for beds, edging, or massing. Hardy annuals; 1 ft.

*Eschscholtzia Californica.*

- 295 **Californica.** Bright yellow, with orange center. PER PKT. 30c oz., 5c
- 296 **Golden West.** A pretty variety, having light canary yellow flowers with an orange blotch at the base of each petal, forming a Maltese cross in the center. The flowers measure from $3\frac{1}{2}$ to 6 inches in diameter; they have very large overlapping petals, often delicately waved at the edges. They are beautifully and variously formed; some are flat and wide open, some saucer-shaped, others very deep with flaring edges. In some the orange blotch almost suffuses the whole flower, in others it runs into the yellow in fine penciled lines, others again have an orange center with a margin of clear yellow. 10c
- 297 **Finest Mixed.** All colors. 25c oz. 5c

Everlasting, Eternal or Straw Flowers.

(See *Acroclinium*, *Ammobium*, *Gomphrena*, *Helichrysum*, *Rhodanthe* and *Xeranthemum*.)

EUPHORBIA.

Strong growing annuals suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

- 298 **Heterophylla.** (Annual Poinsettia, Mexican Fire Plant or Fire on the Mountain.) An annual bushy plant, with highly ornamental leaves, which in summer and autumn become blazed with a darker fiery red scarlet, so that only a tip of green is left. Also valuable as a pot plant. 3 to 4 feet. 10c pkt.
- 299 **Variegata.** "Snow on the Mountain." A hardy, showy border plant, with foliage veined and margined with white. Very attractive; $1\frac{1}{2}$ ft. Hardy annual. 5c pkt.

*Euphorbia Heterophylla.*



Gaillardia Lorenziana.

FERNS.

These ornamental plants are too well-known to need any description. Sow in spring, in shallow boxes, lightly covering the seed with soil. Keep moist with a covering of fine moss, and in a temperature of 60 degrees.

PER PKT.

300 Choiceest Varieties. Mixed.....15c

Feverfew. (See Pyrethrum.)

Forget-Me-Not. (See Myosotis.)

Foxglove. (See Digitalis.)

FUCHSIA.

A well-known plant of easy culture, for the house or shady situations in the garden; the seed we offer is saved from the finest single and double named varieties.

301 Mixed.....15c

302 Procumbens. Fine for hanging baskets, flowering through the winter.....15c

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during the summer and autumn. Annuals. 1½ ft.

303 Picta. Crimson and orange.....5c

PER PKT.

304 Picta Lorenziana. A charming profuse double-flowering strain; beautifully mixed colors.....5c

305 Finest Mixed. All colors.....5c

306 Grandiflora Superba. Splendid new perennial varieties with very large flowers, dark crimson centres, marked with rings of many brilliant colors.....10c

307 James Kelway. The most beautiful variety grown; immense flowers, often 5½ inches across, of dazzling crimson scarlet, with narrow gold edge. It is a hardy perennial variety, flowering abundantly until frost. A grand garden plant, 2 feet high by 2 feet through.....10c

GENISTA.

308 Canariense. Handsome plants for room decoration, with bright yellow flowers; grown in five or six inch pots they make fine specimens. Tender perennial.....10c

GERANIUM.

Although perennials, they will produce nice bushy plants and flower from seed sown the same season. The heads of gorgeous flowers, of many shades of color, borne continuously, render this one of the most popular plants grown, either for pot culture in winter or for bedding out in summer.

PER PKT.

309 Apple Scented. Leaves delightfully fragrant; highly prized for bouquets.....15c

310 Lady Washington Geranium. Grand plants for pot culture; the flowers, an inch or more across, are borne in immense clusters through spring and summer; colors are rich in the extreme, and beautifully marked.....25c

311 Zonale Large Flowering, Mixed. From new varieties.....10c

GILIA.

Very pretty tall and dwarf varieties. Will bloom in any situation. Also grows well in pots, and may be planted in rockeries and used for massing. Hardy annual.

PER PKT.

312 Tall Mixed. All colors and varieties.....Oz. 30c., 5c

313 Dwarf Mixed. All colors and varieties.....Oz. 30c., 5c

GLOXINIA.

A superb genus of greenhouse plants, producing magnificent flowers of the richest colors; thrive best in an equal mixture of peat, loam and sand. Sow in March, on the surface, in a warm, moist atmosphere. When the second leaf appears, transplant into shallow pots to grow through summer. Allow them to rest through autumn, and keep in same pots through winter, giving little water. In spring re-pot and water freely; will blossom second season. Stove perennial bulbs.

PER PKT.

314 Hybrida Erecta. Erect large flowering varieties in splendid mixture.....25c

315 Defiance. Large, erect flowers of an intense, glowing, crimson-scarlet.....25c

316 Mont Blanc. Large, erect, pure white.....25c



Gaillardia Picta.



Gilia Dwarf.



Gloxinia.



Godetia Lady Albemarle.

GNAPHALIUM.—(Edelweiss)

This famous flower of the Alps is of a downy texture, star-shaped, and pure white. They are highly prized as souvenirs, and are sold at a high price in Switzerland.

317 *Leontopodium*. White..... 10c pkt.

GODETIA.

Beautiful garden annual, of easy culture in any good soil. Large flowers, embracing a great variety of rich colors. Can be grown in pots; 1½ feet. Hardy annual.

318 *Duchess of Albany*. Beautiful, large flowers, of rich satiny-white. 5c

319 *Lady Albemarle*. Carmine-crimson. Compact habit. Very beautiful..... 5c

320 *The Bride*. Crimson and white, very fine..... 5c

321 *Finest Mixed*..... 36c oz., 5c

GOMPHRENA.—(Globe Amaranth.)

A desirable everlasting, valuable for its handsome globular heads of flowers. Seed germinate very slowly. If the cotton coating which surrounds it is removed, the seed will be more certain to grow. Half-hardy annual.

322 *Fine Mixed*..... 5c pkt.

GRASSES, ORNAMENTAL.

When carefully dried, they are useful in making up winter bouquets. Cut when in full bloom, and before the flowers get too old; tie in small bunches and hang up in a dry, dark place, with their heads downward.

- PER PKT.
- 323 *Briza Maxima* (Large Quaking Grass.) A beautiful variety. Hardy annual; 1 foot..... 5c
- 324 *Bromus Briziformis*. A graceful variety, with drooping panicles; Hardy perennial, flowering the first season; 1 foot..... 5c
- 325 *Coix Lachrymæ* (Job's Tears). Broad, corn-like leaves, and hard, shining, pearly seeds, resembling tears; 2 ft..... 5c
- 326 *Erianthus Ravennæ*. A hardy perennial, noble grass, with exquisite white plumes. Flowers the first season if sown very early; 10 ft..... 5c
- 327 *Eulalia Japonica*. One of the most beautiful of the tall-growing grasses; 5 ft; hardy..... 5c
- 328 *Gynerium Argentum* (Pampas Grass). The finest ornamental grass in cultivation. Half-hardy perennial; 10 ft..... 5c
- 329 *Pennisetum Ruppelianum*. Beautiful and graceful spikes of purple; whether for border decoration or for bouquets this is one of the best; 2½ feet..... 10c
- 330 *Stipa Pennata* (Feather Grass). A hardy perennial; flowers the second season from seed; 2 ft..... 5c
- 331 *Ornamental Varieties*. Used for making winter bouquets; over 20 sorts, mixed. 5c



Gomphrena.

GOURDS.

A tribe of climbers with curiously shaped fruit, in various colors. Being of rapid growth, they are fine to cover old fences, trellises, stumps, etc. The foliage is quite ornamental, and the marking of some of the fruit quite extraordinary. Do not plant the seed till all danger of frost is over, and select rich, mellow ground. Tender annual climbers, 10 to 20 ft. high.



Gourds.

- PER PKT.
- 332 *Calabash or Dipper*. Long, slim handle..... 5c
- 333 *Dish Cloth*. This variety is very ornamental, with clusters of large yellow flowers. The fruit, when dried, is used as a dish cloth..... 5c
- 334 *Giant Bottle*. Large and ornamental..... 5c
- 335 *Hercules Club*. A curious sort, club-shaped..... 5c
- 336 *Japanese Nest Egg*. White; fac-simile of an egg; do not crack, and are not injured by heat or cold. Very ornamental climbers..... 5c
- 337 *Orange*. The well-known mock orange..... 5c
- 338 *Pear Shaped*. Green and white striped..... 5c
- 339 *Sugar Trough*. Used for buckets. Very large..... 5c
- 340 *Fine Mixed*. All sorts..... 40c oz., 5c

GREVILLEA ROBUSTA. (Silk Oak.)

- 341 A very beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed, producing good-sized plants in a short time..... 10c

GYPSOPHILIA.—(Bridal Veil or Baby's Breath.)

Free-flowering little plants, completely covered with starry white flowers, succeeding in any soil; well suited for hanging baskets and edgings. Hardy perennial.

- 342 *Paniculata*. White, fine for bouquets..... 5c pkt.

HEDYSARUM.—(French Honeysuckle.)

A free-growing, showy border plant, of easy culture. Bears attractive pea-shaped flowers. Hardy biennial.

- 343 *Red and White Mixed*..... 5c pkt.

HELICHRYSUM.

Everlasting flowers, large and full. Colors, white, yellow, and red. Cut just before the flowers fully expand. Hardy annual.

- 341 *Double*. White, red, and yellow, mixed..... 5c pkt.

HELIOTROPE.

A half-hardy perennial, flowering during the whole season; its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a greenhouse climber. Seed sown in the spring will make fine plants for summer blooming.

- PER PKT.
- 345 *Lemoine's Giant*. Of robust growth and producing heads of flowers double the size of the old sort..... 10c

- 346 *Snowball*. Beautiful white, large flowers..... 10c

- 347 *Finest Mixed*. All colors..... 5c



Heliotrope.

**Helianthus Cucumerifolius.**

- 358 **Sanguinea Splendens.** One of the finest of recent introductions among hardy perennials, and especially to be recommended for florists, its graceful flower spikes furnishing splendid material for bouquets. Has a neat bushy habit. The flowers are of a rich bright crimson color; the leaves light green and slightly hairy.....10c
- 359 **Alba.** A pure white flowering variety, one of the finest hardy perennials; neat bushy habit, with light green and slightly hairy leaves; excellent for bouquets.....15c

HIBISCUS. (Marsh Mallows.)

Showy, ornamental plants, for mixed beds or shrubby border, having large-sized, varied, and beautiful-colored flowers.

- 360 **Hibiscus Africanus.** Large, cream-colored flowers, with a brown center; hardy annual. 1½ feet.....5c
- 361 **New Crimson Eye.** Flowers of the largest size, pure white, with a large spot of velvety crimson in the center of each flower; hardy perennial; flowers the first year from seed sown early.....10c

**Heuchera Sanguinea Splendens.**

look as if made from the finest China silk. The color varies from pale pink to deep red. The plants are of majestic growth, sending up spikes six to seven feet high, and is of a strong constitution, not being troubled with the disease so prevalent among Hollyhocks. Is a free and persistent flowerer, coming into bloom in June and lasting until frost, every bud opening, and the plant looking well at all times.....2 pkts. for 25c., 15c

- 364 **Double Crimson.**.....10c
- 365 **Double Pink.**.....10c
- 366 **Double Scarlet.**.....10c
- 367 **Double White.**.....10c
- 368 **Double Yellow.**.....10c
- 369 **Chater's Prize, Double Mixed.** This strain stands unrivaled in richness and delicacy of coloring, with magnificent spikes of very double flowers.....10c
- 370 **Finest Mixed.** All colors.....5c

HELIANTHUS. (Sunflower.)

Remarkable for the stately growth, size and brilliancy of their flowers. It is also raised as an absorbent of miasma in damp or ill-drained situations, thus preventing fevers. The seed is good for feeding poultry. Hardy annuals.

PER PKT.

- 348 **California.** Very large, double orange flowers. 7 feet.....Oz. 30c., 5c
- 349 **Cucumerifolius Stella** (Miniature). Large single, golden yellow, with dark centre; handsomely formed; freely produced on long stems; excellent for cutting.....10c
- 350 **Globosus Fistulosus.** Very double, and large globe-shaped rich saffron.....Oz. 30c., 5c
- 351 **Mammoth Russian.** Extra large flowers, with an abundance of seed.....5c
- 352 **Multiflorus.** Large double golden-yellow flowers, forming a magnificent ball. 4 feet.....5c
- 353 **Nanus Fl. Pl.** (Globe of Gold.) Dwarf double-orange flowers. 4 feet.....Oz. 30c., 5c
- 354 **Peruvianus.** Double orange flowers, striped black.....Oz. 30c., 5c
- 355 **Silverleaf.** Silvery foliage, and small single, golden-yellow flowers, with jet-black center.....Oz. 30c., 5c
- 356 **Finest Double Varieties, Mixed.**.....Oz. 25c., 5c

HELIPTERUM SANFORDI.

PER PKT.

- 357 A very pretty border annual of dwarf habit, bearing large globular clusters of bright golden-yellow everlasting flowers. 1 foot.....5c

HEUCHERA.**Helianthus.****HONESTY.** (Satin Flower.)

Early free-flowering plants. Admired for their silver-like seed pods. Hardy biennial.

- 362 **Lunaria Biennis.**.....5c pkt.

HOLLYHOCK.

Few hardy plants combine as many good qualities, or lend themselves as readily to varied uses, as the Hollyhock. For planting in rows or groups on the lawn, or for interspersing among the shrubbery, they are invaluable. The flowers form perfect rosettes of the most lovely colors. It is not surprising that this old favorite should again become popular; for, by careful selection, the flowers have been so much improved that they are marvels of beauty and elegance. The Hollyhock requires a rich, deep soil, well drained, and will repay, in quantity and elegance of bloom, any extra care. A slight protection during winter will be beneficial. We make a specialty of Hollyhocks, and the seed we offer is saved from the very best double flowers of pure and bright colors. Seeds sown during the summer make strong blooming plants for the following year.

PER PKT.

- 363 **Mammoth Fringed Allegheny.**

The mammoth flowers are wonderfully formed of loosely arranged fringed petals, which

**Hollyhock.**



Humulus Japonicus Variegatus.

IMPATIENS.

Charming plants for the decoration of the greenhouse or dinner table, producing their bright waxy-looking flowers profusely and almost continuously. The young seedlings should be repotted when about an inch high and very carefully handled, as they are exceedingly brittle at the outset.

PER PKT.

- 375 **Sultani Hybrida.** Remarkably beautiful hybrids of this much-admired plant in varying shades of color, from delicate pink to the deepest red.....15c

IPOMEA.

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable.

- 376 **Coccinea (Star Ipomea).** Scarlet, star-shaped flowers. 5c pkt.

**HUMULUS JAPONICUS.**

Annual climbing Hop, of rapid growth, valuable for covering trellises and verandas. Tender annual.

- 371 **Japonicus (Japan Hop.)** Green foliage; 20 ft.....5c pkt.
372 **Japonicus Variegatus.** A variegated variety of the Japanese Hop. The leaves are beautifully and distinctly marked with silvery white, yellowish-white and light and dark green. As with the green-leaved variety, it is never injured by insects nor affected by the heat, but retains its fresh and bright variegated foliage until late in the autumn.....5c pkt.

ICE PLANT.

Handsome and curious plant for hanging baskets, rock-work, vases and edgings. The leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. Succeeds best in a sandy soil and warm situation. Half-hardy.

- 373 **Ice Plant.** (Mesembryanthemum. Crystallinum.....5c pkt.

Indian Shot.—(See Canna.)

IPOMOPSIS.—(Standing Cypress.)

One of our most attractive free-flowering plants, with fine foliage; beautiful for conservatory or garden decoration; succeeds in a dry, rich soil, producing long spikes of dazzling colored flowers; half-hardy biennials, blooming the first season if the seed is sown early in the house or hot-bed; 3 ft.

- 374 **Fine Mixed**.....5c pkt.



Cross Bred or Hybrid Moon Flower.

PER PKT.

- 377 **Cross Bred or Hybrid Moon Flower.** At night and during dull days the plants are covered with an abundance of large, pure-white, fragrant flowers 5 to 6 inches in diameter. It is a rapid grower, and within a few months will grow as much as 40 feet. To insure germination, take a sharp knife and cut a small nick in shell of each seed, and soak in lukewarm water for about four hours before planting..... 5c
Strong plants, 10c each; \$1.00 doz. By mail, 15c each.
- 378 **Northern Light.** A cross between the Moonflower and the Brazilian Morning-Glory. It produces blossoms 2 inches in diameter, of pink-lavender color, which come earlier in the season than any of the Ipomeas which open in the evening. The foliage is large and handsome, and remarkable in its drouth-resisting qualities, the plant remaining green and fresh when others are yellow and withered from lack of moisture.....10c
- 379 **Setosa (Brazilian Morning Glory).** Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. As a quick-growing vine it has no equal, covering an enormous space in a few weeks' time.....10c
- 380 **Mixed.** All colors..... 5c

Should you receive two copies of this Catalogue you will confer a favor by handing the extra copy to a friend who has a garden.



Lantana.

IRIS KAEMPFERI.

An excellent addition to our hardy perennial plants. Flowers large, six to eight inches in diameter, and quite distinct from all other varieties. PER PKT.

381 Double and Single. Mixed colors..... 5c

JACOBÆA.

Produces only double flowers. Very desirable for edgings and carpet bedding. Hardy annual. 382 New Pompon..... 5c

KENILWORTH IVY.

A charming, small, neat, hardy perennial trailing plant, suitable for baskets, vases, pots and rock-work. 383 Linaria Cymbalaria. Lavender and purple..... 10c

Lady Slipper. (See Balsam.)

LANTANA.

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom; Verbena-like heads, and changing in hue. 2 feet. 384 Mixed..... 10c

LARKSPUR. (Annual Delphinium.)

Hardy annuals, producing dense spikes of flowers which are very beautiful either in the garden or when cut for vases. PER PKT.

385 Dwarf Rocket. Finest mixed, double. 1 foot..... 5c

386 Tall Rocket. Finest mixed, double. 2½ feet..... 5c

387 Double Stock-flowered. Fine for bedding. Choice mixed..... 5c
(For Perennial Larkspur, see Delphinium.)

LOBELIA.

A charming dwarf-plant, admirably adapted for beds, edgings and rock-work. Their delicate, drooping foliage, and pretty little blue and white flowers render them very attractive in pots or hanging baskets. The hardy perennial varieties are among the most attractive of our garden favorites, producing beautiful spikes of handsome flowers in autumn.

388 Barnard's Perpetual. Deep blue with white eye, very fine..... 10c

389 Crystal Palace Compacta. Rich blue; finest for bedding..... 10c

390 Gracilis. Pale blue; trailing, fine for vases..... 5c

391 Royal Purple. Deep blue, with white eye and dark stalks..... 10c

392 Speciosa. Dark blue, trailing, fine for vases..... 5c

393 White Gem. Pure white and very beautiful..... 10c

394 Dwarf Mixed Varieties. For borders..... 5c

395 Cardinalis Hybrids. Splendid hybrids mixed; highly recommended. Hardy perennial. 2 feet..... 10c



Lobelia, Crystal Palace Compacta.

396 Cardinalis Queen Victoria. Brilliant scarlet, very dark leaves; splendid. Hardy perennial. 2 feet..... 10c PER PKT.

LATHYRUS. (Everlasting Pea.)

Showy, free-flowering hardy perennial climbers for covering old stumps, fences, etc.; continually in bloom; fine for cutting.

397 Splendens. Large deep crimson flowers..... 10c

398 Fine Mixed..... 5c

LAVENDER.

An aromatic plant used for scenting clothing, rooms, etc.

399 Lavendula. 1½ feet..... 5c

LUPINS. (Sun Dials.)

A splendid genus of handsome and ornamental garden plants, with long, graceful flower spikes of rich and varied colors.

400 Annual Varieties. Mixed colors. 3 feet..... 5c pkt.

401 Perennial Varieties. Mixed colors. 3 to 4 feet..... 5c pkt.

LYCHNIS.

Handsome plants of easy culture; for massing in beds and borders, blooming the first year if sown early; hardy perennials. 2 feet. PER PKT.

402 Chalcedonica. The scarlet Lychnis, an old garden favorite, very hardy. 3 to 4 feet..... 5c



MARIGOLD.

Marigold—"Legion of Honor."

403 Haageana Hybrids, Mixed Colors. Dwarf bushy habit, bearing flowers an inch or more across in continuous succession until frost. 1 foot..... 10c

LYTHRUM.

404 Roseum Superbum. Vigorous perennial, with spikes of bright rose-colored flowers through summer and autumn; useful for cutting. 2 feet..... 5c

MARIGOLD.

A well-known half-hardy annual of easy culture, with rich and beautiful varied colored flowers. The African is the tallest and most striking in large beds, while the French are admirably adapted for small beds, or as a fore-ground to the taller plants.

405 African El Dorado. Flowers very large, imbricated and extremely double; colors, all shades of yellow. 3 feet..... 5c Oz. 50c. 5c

406 African Lemon. Large, double, lemon color. 3 feet..... 5c Oz. 40c. 5c

407 African Orange. Large, double, orange color. 3 feet..... 5c Oz. 40c. 5c

408 French Scotch Prize. A fine strain, with admirably striped double flowers. 1 ft..... 5c

409 French Legion of Honor. Single dwarf Marigold, forming compact bushes. Flowers golden yellow and brown; blossoms in great profusion..... 5c



Marvel of Peru.

A well-known hardy annual, producing dense semi-globular heads of exceeding fragrant flowers, borne on spikes, from three to six inches long. If the plants are thinned out they will grow stronger and produce larger spikes of flowers. Fine for pot or garden culture, and can be had the whole year round by sowing at intervals. Annual.

- 416 **Grandiflora.** Large-flowering, fragrant.....Oz. 20c. 5c
 417 **Allen's Defiance.** One of the finest sorts; enormous spikes, with individual florets of immense size; very fragrant; excellent for forcing.....10c
 418 **Crimson Giant.** Large spikes of crimson flowers; fragrant.....5c
 419 **Gabriele.** Hardy and vigorous in growth, with strong, large red spikes, of delicious fragrance.....5c

PER PKT.

- 420 **Machet.** Dwarf pyramidal growth, with very large thick spikes, deliciously fragrant; one of best for forcing.....Oz. 75c. 10c
 421 **Machet, Golden.** Thick massive spikes of golden yellow fragrant flowers.....10c
 422 **Miles Spiral.** Dwarf branching habit, with long spikes, fragrant, excellent for market purposes.....Oz. 50c. 5c

MIMOSA. (Sensitive Plant.)

Curious and interesting plants, with pinkish-white flowers, well-known for the extreme irritability of its leaves, which close and droop at the slightest touch. Half-hardy annual. 1½ feet.

- 423 **Pudica.** Sensitive plant.....5c

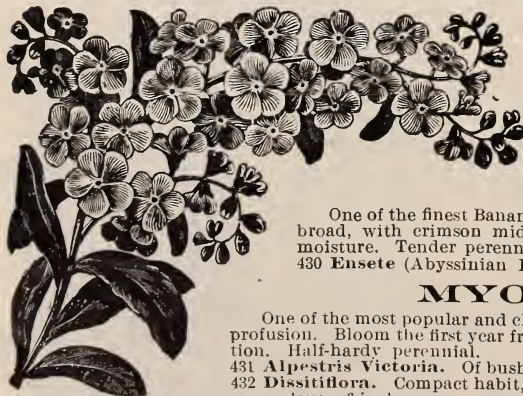
MIMULUS. (Monkey Flower.)

Handsome, profuse flowering plants, with brilliant colored flowers. Fine for conservatory or house plants. Requires a rich, moist, shady situation. Half-hardy perennials.

- 424 **Moschatus** (Musk Plant.) Yellow, very fragrant. ½ foot.....10c
 425 **Tigrinus Grandiflorus.** Beautiful, large flowered, tigered and spotted varieties.....10c
 426 **Tigrinus, Finest Mixed.** Various shades.....10c

MINA LOBATA.

- 427 Charming half-hardy, Mexican climbing annual. In color the buds are at first a vivid red, but turn to orange-yellow before they open, when fully expanded of a creamy-white shade. They flower from base to top, and attain a height of 18 to 20 ft. 10c



Forget-Me-Not.

- 431 **Palustris Semperflorens.** A charming dwarf Forget-Me-Not continuing in bloom from early spring until autumn, blue, 8 in. 10c
 435 **Robusta Grandiflora.** Large-flowering, pyramidal habit, centre flowers are double, remarkably fine.....10c
 436 **Robusta Alba.** Large, white.....10c pkt. | 437 **Robusta Rosea.** Large, rose color.....10c

MARVEL OF PERU.

The well-known Four O'Clocks. A handsome free-flowering garden favorite; half-hardy perennial; blooming the first season from seed.

- 410 **Finest Mixed.** Beautiful colors. 2 feet.....PER PKT. 5c

MATHIOLA BICORNIS.

(Evening Scented Stock.)

- 411 Pink and lilac flowers. The delicious rich perfume emitted by the flowers in the afternoon and evening is delightful. Hardy annual. 1 foot.....5c

MATRICARIA. (Feverfew.)

Free-flowering hardy plants; a fine bedding plant, or for pot culture, blooms until frost; hardy annuals. 1 foot.

- 412 **Golden Ball.** Rich golden yellow, quilled. 1 foot.....10c
 413 **Grandiflora Fl. Pl.** Handsome large white double flowers.....5c

MAURANDYA.

Charming half-hardy perennial climbers, with beautiful flowers and foliage. From their graceful, slender growth they are admirably adapted for hanging baskets, vases and trellis work.

- 414 **Barclayana.** Deep violet; fine. 10 feet.....10c
 415 **Finest Mixed.** All colors. 10 feet.....10c

MIGNONETTE. (Reseda Odorata.)



Mignonette Machet.

MOMORDICA.

(Balsam Apple.)

PER PKT.

Very curious trailing vines with ornamental foliage, fruit golden yellow, warted, and when ripe opens, showing the seeds and its brilliant carmine interior; fine for rock-work, stumps, etc. Half-hardy annual. 10 feet.

- 428 **Balsamina.** (Balsam Apple).....5c
 429 **Charantia.** (Balsam Pear).....5c

Moon Flower. (See Ipomea.)

Morning Glory. (See Convolvulus.)

MUSA.

One of the finest Bananas for planting out during the summer. The leaves are long and broad, with crimson mid-rib. Thrives best in a rich soil, requiring plenty of room and moisture. Tender perennial.

- 430 **Ensete** (Abyssinian Banana.) 10 to 20 feet.....25c

MYOSOTIS. (Forget-Me-Not.)

One of the most popular and charming little plants, with small white and blue star-like flowers in profusion. Bloom the first year from seed, if sown early. Succeed best in a moist and shady situation. Half-hardy perennial.

- 431 **Alpestris Victoria.** Of bushy habit, bearing large bright azure-blue flowers; very fine.....10c
 432 **Dissitiflora.** Compact habit, profuse bloomer; exquisite blue; an attractive spring bedding plant. 6 inches.....10c

- 433 **Palustris.** The true Forget-Me-Not; beautiful blue flowers; 6 inches.....10c
 434 **Palustris Semperflorens.** A charming dwarf Forget-Me-Not continuing in bloom from early spring until autumn, blue, 8 in. 10c

- 435 **Robusta Grandiflora.** Large-flowering, pyramidal habit, centre flowers are double, remarkably fine.....10c
 436 **Robusta Alba.** Large, white.....10c pkt. | 437 **Robusta Rosea.** Large, rose color.....10c



Dwarf Nasturtium.

	PER OZ.	PKT.
445 King Theodore. Dark maroon, bluish-green foliage. One of the best.....	30c	5c
446 Lady Bird. Rich golden yellow, barred with bright ruby crimson.....	30c	5c
447 Luteum. Fine yellow.....	20c	5c
448 Pearl. Creamy white.....	25c	5c
449 Prince Henry. Golden yellow, marbled and spotted with brilliant scarlet.....	25c	5c
450 Rose. Light rose, splendid color.....	25c	5c

Tall Varieties.

Elegant profuse-flowering plants for verandas, trellises, etc., bearing their gorgeous flowers in profusion until killed by frost. The seed pods can be gathered while green and tender, for pickling. Half-hardy annuals; six to ten feet.

	PER OZ.	PKT.
456 Chameleon. A new variety, producing variously colored flowers on the same plant. Self-colored flowers are found while others are stained and flushed, also with light or dark margins. One of the most distinct and useful novelties of recent years.....	10c	5c
457 Crimson. Deep rich color.....	20c	5c
458 Heinemann. Chocolate color.....	20c	5c
459 King Theodore. Rich dark maroon, dark leaves.....	20c	5c
460 Luteum. Fine yellow.....	20c	5c
461 Orange. Orange red, fine color.....	20c	5c
462 Pearl. Creamy white.....	20c	5c
463 Prince Henry. Light yellow, marbled and striped with bright scarlet.....	20c	5c
464 Scarlet. Brilliant scarlet, fine.....	20c	5c
465 Spotted. Straw color, spotted.....	20c	5c
466 Vesuvius. Brilliant Salmon rose, dark leaves; extra large flowers.....	30c	10c
467 McCullough's Premier Mixed. A mixture from finest named varieties.....	50c ¼ lb.,	20c 5c
468 Fine Mixed. All colors.....	40c ¼ lb.,	15c 5c

NICOTIANA.

Ornamental plants, very effective both in foliage and flower; the flowering sorts continue in bloom throughout the season and produce their fragrant tubular-shaped flowers in great profusion; excellent for cutting. Hardy Annual.

478 Affinis. White, very fragrant. 2 to 3 ft.....	5c pkt.
479 Colossea. Reddish-foliage, changing to dark glossy green, with reddish ribs. 5 to 6 ft.....	10c pkt.

Nigella.—(Love in a Mist.)

Free-flowering and compact-growing plants, with curious-looking flowers and seed pods. Hardy annual.

480 Fine mixed. ¾ ft.....	5c pkt.
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NYCTERENIA.

Neat plants, with large heads of sweet-scented star-shaped flowers, produced through the whole season. Hardy Annual.

481 Capensis. White, yellow centre. ½ ft.....	5c pkt.
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OENOTHERA.—(Evening Primrose.)

Large, showy blossoms, opening toward evening. Free-growing and useful plant. Hardy.

482 Biennis (True Evening Primrose.) A beautiful and free-flowering plant, with long spikes of bright yellow flowers.....	5c pkt.
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OXALIS.

A splendid class of plants, with brilliant-colored flowers and dark foliage, suitable for borders, green-house decoration, rock-work or baskets. Half-hardy perennial.

	PER PKT.
483 Alba. White.....	10c
484 Rosea. Rose-colored flowers.....	10c
486 Tropaeoloides. Flowers, deep yellow, foliage dark brown.....	10c
488 Mixed. Finest varieties.....	10c

NASTURTIIUMS.**DWARF, OR TOM THUMB VARIETIES.**

The improved varieties of the Dwarf Nasturtium are among the most popular and beautiful of our garden plants. Their neat, compact growth, rich colored flowers and free-blooming and long-lasting qualities, together with their adaptability to almost any soil or situation, make them unsurpassed for garden decoration. In our mixtures, which we make up from named varieties, will be found a great variety of most beautiful colors, and a trial of them is sure to give the greatest satisfaction. Hardy annual. 1 ft.

	PER OZ.	PKT.
438 Aurora. Chrome-yellow, spotted and striped with deep crimson.....	25c	5c
439 Beauty. Yellow-striped red.....	20c	5c
440 Chameleon. A new variety, producing variously colored flowers on the same plant. The neat bushes are covered with an abundance of richly colored flowers of different colors and markings. A decidedly valuable acquisition.....	10c	5c
441 Crystal Palace Gem. Sulphur, maroon spot.....	20c	5c
442 Empress of India. Splendid variety, brilliant crimson with dark foliage.....	30c	5c
443 Golden King. Brilliant yellow.....	30c	5c
444 King of Tom Thumbs. Intense deep scarlet flowers, dark foliage.....	25c	5c

451 Ruby King. Brilliant crimson rose.....	25c	5c
452 Spotted King. Yellow, brown spots.....	25c	5c
453 McCullough's Premier Mixed. A mixture from finest named varieties.....	60c ¼ lb.,	20c 5c
454 Fine Mixed. All colors.....	10c ¼ lb.,	15c 5c
455 Liliput or Miniature. This is a dwarf compact form of the well-known Tropaeolum Lobbianum. It forms small dense bushes which are fairly hidden by flowers, the colors of which are very varied.....	30c	10c

Lobb's Nasturtiums.

The brilliance and profusion in blooming of the Lobbian varieties render them superior for greenhouse or conservatory decoration in winter; also, for trellises, arbors, and vases, etc., in summer. Half-hardy annual; 6 to 10 ft.

	PER OZ.	PKT.
469 Asa Gray. The lightest color yet obtained; sulphur yellow, very delicate.....	60c	10c
470 Geant des Batailles. Sulphur, spotted red.....	30c	5c
471 Lucifer. Very dark scarlet, splendid.....	30c	5c
472 Napoleon III. Golden yellow, spotted with brown.....	30c	5c
473 Roi des Noirs. Black brown.....	30c	5c
474 McCullough's Premier Mixed.	25c	5c
475 Canariense. (Canary Bird Flower.) Bright yellow; 10 ft.....	5c	
476 Nasturtium, Madame Gunter's Hybrids. A new climbing strain. For richness and variety of colors these new hybrids have no equals among Nasturtiums. There are shades of rose, salmon, brightest red, pale yellow, either as self colors or spotted and striped. The foliage is mostly dark and contrasts very effectively with the rich colors, and are free and continuous bloomers.....	40c	10c

NEMESIA.—(Strumosa Suttoni.)

477 One of the most valuable introductions of recent years. A long bloomer, with splendid large flowers varying from creamy-white to deep orange and carmine. Half Hardy Annual.....



Nigella.

PANSY.

This attractive plant is too well-known to require any description, as it is a favorite with all; the seed can be sown from September to March. The best plants are obtained from seed sown in the autumn, and protected during the winter; these flower early in the spring. The plants from spring sowing should be planted in a shady border; they produce fine large flowers in the autumn. Pansies require fresh soil, enriched with decomposed manure. Our seeds are from the most noted European growers. The choice strains being unsurpassed for size and form of flower, beauty of markings, brilliancy and variety of colors and shades. Hardy perennial. 6 inches. **PER PKT.**

**Pansy Bugnot's Exhibition.**

- 439 **McCullough's Premier.** This new strain is saved from the finest flowers of one of the best collections of Pansies in the world. The plants are compact and of robust growth, and if cultivated properly will give an abundance of very large flowers of unsurpassed brilliancy of color and distinct markings. Florists and amateurs desiring charming "show" flowers should not neglect this strain, as it is the result of many years' careful selection and hybridization, and embraces all the attractive features that tend to make the Pansy the people's flower. $\frac{1}{2}$ oz. \$2.00 25c
- 490 **McCullough's Special Mixture.** A superior mixture, selected from choice, large flowering strains of English, French and German growers. Oz. \$5.00. 20c
- 491 **McCullough's "Ne Plus Ultra."** A magnificent strain of fine varieties, producing large, handsome flowers of great substance and variety of coloring. Oz. \$5.00. 15c
- 492 **Bugnot's Exhibition Strain.** A celebrated French strain of extra large size, choicest colors, and with beautiful broad blotches and delicate pencillings. The flowers are perfect in form and color. Finest mixed. 25c
- 493 **Cassier's Giant Odier.** A very showy and rich strain saved from very large and beautifully blotched model flowers. 25c

	PER OZ.	PKT.
494 Superior Quality Mixed. A splendid strain of large-flowering sorts.	\$2.50	10c
495 Very Fine Mixture. Fine, showy flowers.	1.00	5c
496 Cardinal. Brownish-scarlet, lower petals marked with a large dark blotch.	3.00	10c
497 Emperor Frederick. Rich purple; golden bronze centre; margined scarlet and yellow.	2.00	10c
498 Gold Margined. Splendid; very showy.	2.00	10c
499 Golden Yellow. Golden yellow with black centre.	2.00	10c
500 Golden Yellow (Five Spotted.) Extremely showy, bright golden yellow with a distinct blotch on each petal.	5.00	20c
501 King of the Blacks. Rich glossy black; splendid for bedding.	2.00	10c

	PER OZ.	PKT.
502 Lord Beaconsfield. Purple violet, shading to white on the upper petals.	2.00	10c
503 Peacock. Upper petals a beautiful ultramarine blue; lower petals deep claret with white margins.	3.00	10c
504 President Carnot. White petals marked with a violet blotch. Extra fine.	5.00	20c
505 Quadricolor. Reddish steel blue with a white and pink edge, marked with a golden and pink face.	2.00	10c
506 Snowflake. Large satin white, centre slightly tinged with yellow.	2.00	10c
507 Striped. Brilliant and exquisite tints in coloring; the blooms handsomely striped.	2.00	10c
508 Victoria. Rich velvet like petals of a bright wine or blood red color.	3.00	10c

Improved Trimardeau Giant.

A desirable and very attractive strain. The plants are of compact, robust and free-flowering habit. The flowers of immense size, measuring four inches in diameter; of good substance and unsurpassable in beauty and variety of coloring. **PER PKT.**

- 509 **Adonis.** Beautiful, light blue, marked with a yellowish white face and large dark blotches. 15c
- 510 **Auriculaeflora.** Large flowers of rare shades. 10c
- 511 **Canary Bird.** A giant five spotted variety. Bright golden yellow, each petal marked with a large dark blotch. Extra fine. 25c

	PER PKT.
512 Candidissima. Satiny white, centre slightly tinged with yellow.	10c
513 Emperor William. Ultramarine blue, with distinct dark blue eye.	10c
514 Golden Yellow. Magnificent bright golden yellow. Extra fine.	15c
515 King of the Blacks. Immense jet-black flowers.	10c
516 Finest Mixed. All colors. Extra fine. Oz. \$4.00. 10c	

Paris Daisies. (See *Chrysanthemum Frutescens*.)

PASSIFLORA. (Passion Flower.)

Indispensable climbing plants for garden or greenhouse, bearing a profusion of attractive flowers. Hardy climbers. Protect by mulching. **PER PKT.**

- 517 **Alba.** Ivory white; fragrant. 10c
- 518 **Coerulea Grandiflora.** Sky blue flowers, followed in autumn by golden fruit. 10c
- 519 **Incarinata.** White, with purple rays; fragrant; followed by yellow edible fruit. 10c

PENTSTEMON.

One of our most beautiful and attractive herbaceous plants, bearing long, graceful spikes of rich-colored flowers; will bloom the first season if sown early in March and planted out in May. Half-hardy perennials. 2 feet.

- 520 **Hybridus Grandiflorus.** Large flowered, newest varieties. 10c
- 521 **Gloxinoides** (Annual Pentstemon) A new variety of unusual merit. Not only are they distinct as an annual, but, in point of size of flower, individual flowers measuring two inches across, variety and brilliancy of color and profusion of bloom, it altogether eclipses the perennial form. Sown early they come into flower in July and continue a blaze until frost. 10c

**Improved Trimardeau Giant.**



Double Hybrid Petunia.

Small Flowered. PER PKT.

- 529 **Dwarf Inimitable.** Beautiful variety, dwarf and compact in habit, the flowers are of fine cherry red color striped with white.....10c
- 530 **Snowball.** New, dwarf and compact in habit with small flowers of a satiny white color, of good shape and size, sweet-scented. A splendid sort for pots or for bedding.....10c
- 531 **Alba.** Pure white large flowers, desirable for Cemetery beds or where large masses of white are wanted.....\$1.00oz. 10c
- 532 **Kermesina Splendens.** Rich crimson, fine.....1.00oz. 10c
- 533 **Stripe and Blotched Mixed.** All colors.....1.00oz. 10c
- 534 **Finest Mixed.** Superb strain, very rich colors.....1.00oz. 10c
- 535 **Fine Mixed.** Very fine quality. 60c oz. 1c

PHLOX.

The Phlox Drummondii, for a splendid mass of colors and a constant display, is not excelled by any other annual or perennial. The colors range from the purest white to the deepest blood-purple or crimson, and striped, the clear eye of the phlox being peculiarly marked. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier. A good ribbon-bed of the Phlox is a dazzling sight, and there is nothing so cheap. In a good rich soil it will grow eighteen inches or more in height. The seed of the Phlox is perfectly hardy, and we have good success in planting in the autumn, but it must be sown so late that the seed will not start in the fall, for the plants will not bear frost. Early spring is generally the best for sowing.

- 536 **Drummondii.** They produce trusses of brilliant flowers of numberless hues. Finest mixed.....50c oz. 5c pkt.

Drummondii Grandiflora. Large-flowering varieties. An improvement on the old varieties in more compact growth and larger flowers. PER PKT.

- 537 **Alba.** Large, pure white.....10c
- 538 **Alba Oculata.** Pure white, with claret eye.....10c
- 539 **Atropurpurea.** Deep purple.....10c
- 540 **Carminea Striata.** Carmine-striped.....10c
- 541 **Chamois Rose.** Beautiful rose.....10c
- 542 **Coccinea.** Brilliant scarlet.....10c
- 543 **Kermesina Splendens.** Vivid crimson, very bright and effective.....10c
- 544 **Stellata Splendens.** Vivid crimson, with white star in the centre, very beautiful.....10c
- 545 **McCullough's Giant Flowering.** This improved strain of Phlox has very large, perfectly round flowers, and will produce immense trusses of flowers which will surpass every other variety in extreme richness of color and duration of bloom. It grows very compact.....\$1.20 oz. 10c pkt.

PETUNIA.

For out-door decoration or house culture few plants are equal to this class. They commence flowering early, and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single-striped, mottled, and double varieties have been greatly improved. The seeds of the double Petunia do not possess as much vitality as those of the single, and a good deal of care must be used to get them to germinate; nor will they all come double. There are two distinct kinds of single Petunias—the Grandiflora sorts, with large flowers, and the small flowered section, which gives abundance of bloom. Annuals.

DOUBLE LARGE-FLOWERING SORTS.

- 522 **Lady of the Lake.** Pure white, double fringed, large flowering.....35c
- 523 **McCullough's Splendid Fringed.** One of the finest strains in existence. The double flowers are very large, full, and beautifully formed, having the edges of the petals elegantly fringed.....35c
- 524 **Grandiflora Mixed.** Choice strains of fine colors and large flowers.....25c

SINGLE LARGE-FLOWERING SORTS.

- 525 **McCullough's Mammoth.** This Mixture is made by ourselves, and includes, besides the California Giants, all the colors of the large-flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately-veined throats in various colors, and their truly mammoth flowers.....20c
- 526 **Giants of California.** Flowers very large, in great variety of colors and markings, with broad, deep yellow throats, veined.....17c
- 527 **Ruffled Giants.** New; very large-flowered; ruffled, fluted and fringed, striped and mottled, blotched and solid self-colors, with many color-combinations quite new in Petunias.....20c
- 528 **Grandiflora, Finest Mixed.** Superb strain from show flowers, very large and of great substance.....15c



Phlox Drummondii, McCullough's Giant.



Phlox Drummondii Nana.

DOUBLE ANNUAL POPPIES.

- PER PKT.
- 554 **American Flag.** Large double flowers, white, bordered with scarlet. 2 ft 5c
- 555 **Cardinal Hybrids.** Habit erect and compact, with deeply-cut dark green foliage, which shows off the enormous double flowers. Finest mixed. 1½ ft 10c
- 556 **Carnation Flowered.** Large showy fringed flowers; mixed colors 25c oz., 5c
- 557 **Fairy Blush.** Flowers large, white, elegantly fringed and tipped with rose 5c
- 558 **Golden Gate.** Exceedingly free-flowering variety of semi-double and double flowers in the greatest variety of color 5c
- 559 **Japanese Pompon.** Small, beautiful flowers in a great variety of color. 1 ft 5c
- 560 **Mikado.** The flowers are pure white at back, the fringed edges, brilliant scarlet 5c
- 561 **Pæony Flowered.** Large showy globular flowers; finest mixed 25c oz., 5c
- 562 **Pæony Flowered Scarlet.** Fine large scarlet flowers 5c
- 563 **White Swan.** Immense flowers, beautifully fringed; pure white 5c
- 564 **Double Mixed.** All colors, mixed 25c oz., 5c

Single Annual Varieties.

- 565 **Danebrog.** Large bright scarlet, with a white cross in the centre 5c
- 566 **Peacock.** Large scarlet, with a glossy black zone near the centre 5c
- 567 **Shirley.** A beautiful strain, the flowers are all gracefully elegant, and the colors remarkably bright, pure and varied 5c
- 568 **The Bride.** The flowers are of extra large size, pure white; making a fine appearance in beds or groups 5c



Shirley Poppy.

PHLOX DRUMMONDII.—Continued.

- 546 **Cuspidata** (Star of Quedlinburg) **Finest Mixed.** Beautiful star-shaped flowers in showy colors \$1.20 oz., 10c pkt.
- 547 **Fimbriata, Finest Mixed.** A fine strain, with petals beautifully fringed; distinct and fine \$1.20 oz., 10c pkt.

Phlox Drummondii Nana.

This new strain is of a dwarf compact habit, and makes desirable pot plants, also for ribbon lines and massing; 10 inches in height.

- PER PKT.
- 548 **Fireball.** Brilliant scarlet 10c
- 549 **Snowball.** Pure white, excellent variety 10c
- 550 **Finest Mixed.** All colors 10c

Phlox Drummondii Double.

The double flowering are of recent introduction and are specially desirable for cut flowers, lasting much better than the single sorts. To produce the best results they should be grown in a light soil. PER PKT.

- 551 **Alba.** Double white; very fine for bouquets and florists use 10c
- 552 **Atropurpurea.** Double, blood red 10c
- 553 **Perennial Hybrids.** (Phlox Decussata.) Tall-growing, perfectly hardy class, with immense trusses of large and beautiful flowers. in the greatest variety of colors. 3 ft. 10c

Polyanthus.—(See Primula.)

POPPIES.

Very showy, free blooming and easily cultivated plants, with large brilliant-colored flowers, growing freely in any garden soil, and producing a fine effect in large clumps or mixed beds. A great advance has been made in recent years in the development of the Poppy, which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Sow early in the spring where they are to remain, as they will not bear transplanting.



Tulip Poppy.

- PER PKT.
- 569 **Tulip.** A magnificent variety. The plants grow about 14 inches high, each plant producing 50 to 60 vivid scarlet flowers. The two outer petals form a saucer, surrounding two erect petals, giving a very handsome appearance of scarlet Tulips 10c
- 570 **Umbrosum.** Richest vermilion, with a deep shining black spot on each petal 5c
- 571 **Single Mixed.** All colors 25c oz., 5c

HARDY PERENNIAL VARIETIES.

- 572 **Iceland.** (Papaver Nudicaule.) One of the most effective and beautiful. They are perfectly hardy and produce an endless profusion of flowers which are most useful for cutting; graceful habit, with pretty fern-like foliage; finest mixed 10c
- 573 **Oriental.** Very large, scarlet, with blotch on each petal; magnificent border plant. 3 ft. 5c
- 574 **Oriental Hybrids.** Beautiful new hybrids of the Oriental Poppy, producing flowers of immense size, 6 inches and over in diameter and of many novel colors, such as salmon, pink, cherry, etc. 10c

*Primula Sinensis Fimbriata.*

is indispensable for winter or spring decorations in the home or conservatory. The collections here offered contain the finest varieties grown.

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|---|----------|
| | PER PKT. |
| 583 Single White Fringed..... | 25c |
| 584 Single Red Fringed..... | 25c |
| 585 Fine Mixed Single Fringed..... | 25c |
| 586 Alba Magnifica. The finest pure white, with bright yellow eye, beautifully fringed..... | 35c |
| 587 Chiswick Red. Large brilliant scarlet, finely fringed..... | 35c |
| 588 Double Fringed. Finest mixed. Large flowering; saved from new and distinct varieties; extra fine..... | 50c |

Primula Half-Hardy Primroses.

The following varieties are delightful for early flowers under glass, or in the open air, with protection during winter. Half-hardy.

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|--|-----|
| 592 Anricula. Finest mixed. Extra choice; saved from a prize collection..... | 10c |
| 593 New Hybrids (Dean's.) A splendid strain; saved from brightest and richest shades only..... | 15c |

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|--|-----|
| 589 Forbesi. Very free flowering, beautiful rosy lilac flowers. Fine for pots and bouquets. Seedlings begin to bloom three months after being sown..... | 20c |
| 590 Obconica Grandiflora Hybrida. Improved, large flowered, varying in color from white to bright rose and violet; a splendid pot plant..... | 15c |
| 591 Obconica Grandiflora Fimbriata. Very large flowers, with nicely fringed and toothed petals. The flowers are produced in constant succession, ranging in color from white to rose; a beautiful pot plant..... | 20c |

PYRETHRUM.

Valuable hardy border plants, throwing up numerous stems about 2 ft. high remain in bloom a long time. Hardy perennial.

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|---|-----|
| 596 Single Hybrids. Large flowers, choicest colors, saved from named varieties. Finest mixed..... | 10c |
| 597 Double Hybrids. Large flowers, choicest colors, saved from named varieties. Finest mixed..... | 15c |
| 598 Roseum (Persian Powder Plant.) Bright rose. 1½ ft..... | 5c |
| 599 Aureum. Bright yellow foliage, extensively used for ribbon and carpet bedding. ¾ feet..... | 10c |

RHODANTHE.

Half-hardy, delicate and charming plants. The flowers should be gathered before they fully expand. If allowed to grow too long they open too much, and lose their beautiful bell form. Flowers everlasting. Half-hardy annuals.

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|--------------------------------------|---------|
| 600 Maculata. Mixed; all colors..... | 5c pkt. |
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RICINUS. (Castor Oil Bean.)

Known as "Castor Oil Plant" and "Palma Christa." Highly ornamental and stately growing plants of tropical origin, with luxuriant foliage of varied colors and brilliant colored fruit. When grown on lawns or in the garden as single specimens, they form a magnificent showy plant, height 8 to 15 feet. Start seed in pots, in March, and transplant as soon as the ground is warm. Half-hardy annuals.

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|---|-------------|
| 601 Cambodgensis. The main stem and leaf stalks are of shining ebony-black; the leaves are very large and richly colored, changing to different shades. 6 feet..... | 5c |
| 602 Gibsonii. Dark stems and foliage. 10 feet..... | 5c |
| 603 Gibsonii Mirabilis. Dwarf, branching habit, deep red foliage. 4 feet..... | 5c |
| 604 Philippinensis. Large, beautiful dark foliage. 10 feet..... | 5c |
| 605 Sanguineus. Blood red stalks, and clusters of red fruit. 8 ft. | 5c |
| 606 Zanzibariensis. An entirely new and distinct class of these handsome ornamental plants, which surpass in size and beauty all the varieties hitherto known. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. As single specimens on the lawn or in large groups they are very effective..... | 10c |
| 607 Finest Mixed. All varieties..... | Oz. 30c. 5c |

PORTULACA.

One of our finest hardy annual plants, of easy culture, thriving best in a rich, light loam or sandy soil, and luxuriating in an exposed sunny situation. The flowers are of the richest shades of color, and produced throughout the summer in great profusion. Fine for massing in beds, edgings or rock-work. 6 inches.

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|--|-------------|
| 575 Brilliant Scarlet..... | 5c |
| 576 Alba. Pure white..... | 5c |
| 577 Pink. Very large and delicate shade..... | 5c |
| 578 Red and White Striped..... | 5c |
| 579 Finest Mixed. Large flowering sorts in splendid colors..... | Oz. 50c. 5c |
| 580 Double Finest Mixed. Superb large double flowers in great variety..... | 10c |

POTENTILLA.

Handsome flowering herbaceous plants, very useful and ornamental for flower beds and borders. Hardy perennial.

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|---------------------------------------|-----|
| 581 Single Hybrids. Finest mixed..... | 5c |
| 582 Double Hybrids. Finest mixed..... | 10c |

PRIMULA.

(Chinese Primrose.)

The Chinese Primroses are fine for winter and spring blooming; they are free-flowering, and especially valuable for cut-flowers or for house and window culture; a cool place suits them best. The seed should be sown in light soil, but for the final potting a richer soil is necessary, consisting of two parts loam to one each of well-decayed manure and leaf-mold. They require to be well-ventilated, well-watered and slightly shaded throughout the summer. This charming and beautiful flowering plant

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| It is one of our most important of winter bloomers. | PER PKT. |
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*Ricinus Zanzibariensis.*

ROCKET. (Hesperis.)

PER PKT.

608 Fragrant free-flowering hardy perennial, blooming in the spring and growing freely in ordinary soil. Finest mixed. 1½ ft. 30c oz., 5c

ROMNEYA. Coulteri.

(CALIFORNIA TREE POPPY.)

609 A stately evergreen, blooming continually from June to September. Large, pure white flowers, with golden centre, resembling in fragrance the Magnolia. The seeds are slow in germinating. Hardy perennial.....10c

ROSA MULTIFLORA.

610 This pretty, dwarf, fragrant and profuse-blooming variety of the Rose can be easily raised from seed. They are attractive for pots or in flower beds, covered with pretty, fragrant blossoms so profusely as almost to hide the leaves. Mixed colors.....15c

RUDBECKIA. — (Cone Flower.)

A showy class of strong, easily cultivated plants. 1½ ft.

611 **Bicolor Superba.** An effective annual, and useful for cutting, similar in color and markings to the dwarf French Marigold, "Legion of Honor." It grows about two feet high, forming a many-branched dense bush, the flowers borne on long stems and in great profusion.....20c

SALPIGLOSSIS.

612 **Grandiflora.** Elegant fall-blooming annual, with beautiful, pencilled, lily-like, large flowers. The strain we offer is charming and one of the richest colors imaginable; half hardy annual of easy culture; choicest mixed. 2 feet..... 5c



SCABIOSA.

613 **Superbissima.** A showy new variety, with one strong main stem, thickly covered with blossoms as large as those of the grandiflora section, and prettily veined with rich yellow.....10c

SALVIA. (Flowering Sage.)

One of our handsomest and most showy summer and autumn flowering plants, forming compact bushes, which are literally ablaze with brilliant flowers. Tender perennials, but bloom first season from seed. 2 to 3 feet.

614 **Farinacea.** Bright, light blue, long bloomer, annual.....10c

615 **Pateus.** Beautiful deep blue..... 10c

616 **Splendens.** One of the finest summer and fall plants, with magnificent, brilliant scarlet flowers. 3 feet.....Oz. \$2.00. 10c

617 **Clara Bedman ("Bonfire.")** One of the finest Salvias. It differs from all others, growing in a compact bush about two feet high by two feet in diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden, and is one of the most effective and gorgeous plants in cultivation.....15c

SANVITALIA.

A valuable dwarf bedding plant; fine for rockeries, etc.

618 **Procumbens Flore Pleno.** Double golden yellow..... 5c

SCABIOSA. (Mourning Bride, or Sweet Scabious.)

One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc. Hardy annual.

619 **Black Purple.** Very large double flowers..... 5c

620 **Golden Yellow.** Pure golden yellow, double flowers..... 10c

621 **Snowball.** Elegant double white; fine for bouquets. 2 feet.....Oz. 75c. 5c

622 **Finest Mixed.** Large double flowers in choice variety of color.....Oz. 60c. 5c

623 **Tall Pompadour.** Very large flowers, globular form, and exceedingly showy. The petals are black purple, shaded white at the base, making a splendid effect; valuable as a cut flower..... 10c

624 **Caucasica.** One of the handsomest hardy perennials, especially adapted for cutting, the blooms lasting a long time in water; flowers pale blue, large and very bright. 3 feet.....per pkt. 10c

SCHIZANTHUS. (Butterfly Flower.)

A splendid class of plants, combining elegance of growth with a profusion of rich and various-colored flowers; fine for greenhouse decoration and the flower garden; of easy culture; half-hardy perennial.

625 **Mixed.** Best varieties..... 5c

SILENE. (Catchfly.)

Free-flowering, for beds, borders or ribbons. Succeeds in any good soil. Hardy annual.

626 **Single.** Mixed colors..... 5c

627 **Double.** Mixed..... 5c

SMILAX.

A delicate climber for house culture. Florists grow it extensively for bouquets, trimming rooms, and ladies' dresses on gala occasions. Tender perennial.

628 **Myrsiphyllum**15c

SOLANUM.

Very ornamental pot plants for house or garden culture, the flowers being followed with small, brightly-colored fruit or berries, which almost completely cover the plants. Tender perennial; flowering and fruiting the first season from seed.

629 **Capsicastrum Nanum.** Small red berries; extensively grown by florists.....10c



Salvia Splendens.

PER PKT.



Solanum.



Sweet Peas.

SWEET PEAS.

Flowering Peas are among the most useful and beautiful of all our hardy annuals. Nothing can be better for large bouquets, as the flowers are lively and delicate, varying in color from darkest purple imaginable, and including the brightest pinks; as fragrant as Mignonette.

THE NEW METHOD OF CULTIVATING SWEET PEAS.

The principal essential for the best success is a cool, deep, moist soil, and a sunny situation. The ground should be prepared deep and rich. Fall preparation, where possible, is preferable, but if done in the spring, use no green manure. Bone meal is good if old rotted manure can not be obtained. Sow early, even before the frost is out of the ground, as Sweet Peas need the cool, moist spring ground to make the root growth. In the latitude of Cincinnati, February is not too early. In the South, sow in the fall. Sow the seed in deep furrows, the bottom of which must be at least six inches below the level of the soil; this is to guard against a summer drought. Cover the seeds only one inch, after which the furrow is still five inches deep. When the plants are two or three inches high, fill in another inch or so of soil around the plants, always leaving a portion of the plant above the surface; do this at intervals, until the furrow is nearly full; it should always remain a little hollow, to hold the rains, and to allow water to be applied by the bucketful in dry weather.

Mulching with old leaves, straw or hay assists in the retention of even moisture and temperature for the roots; any fresh manure or other heating material must not be used. Under such congenial conditions Sweet Peas luxuriate and bloom in continuous abundance from early summer until cut down by frost, provided the flowers are freely picked each day, and no pods are allowed to develop.

Our Sweet Peas are unsurpassed, having been selected from the finest strains. They include all the improved Large-flowering varieties, of recent introduction.

PER OZ. PKT.

630 Aurora. Standard and Wings white, shaded and striped with orange salmon	10c	5c
631 Blanche Burpee. Largest pure white, of exquisite form	10c	5c
632 Blanche Ferry. Improved pink and white	10c	5c
633 Blanche Ferry, Extra Early. Two weeks earlier than the preceding	10c	5c
634 Butterfly. White, edged and shaded with lavender	10c	5c
635 California. Delicate pink, finely formed flower	10c	5c
636 Captain of the Blues. Purplish mauve and pale blue	10c	5c
637 Captivation. Beautiful light magenta or claret color	10c	5c
638 Celestial. Delicate azure-blue	10c	5c
639 Columbia. Standards, crimson rose, striped on white ground; wings pale-bluish mauve, striped on white ground	10c	5c
640 Coquette. Standards, delicate primrose, tinged with blush; wings creamy primrose	10c	5c
641 Countess of Powis. Glowing orange, suffused with light purple, with a beautiful satin polish	20c	5c
642 Countess of Radnor. Delicate lavender, large flowers	10c	5c
643 Crown Jewell. Creamy white, tinted and veined with rose	10c	5c
644 Daybreak. Standard, white, watered with crimson; wings white, clouded red	10c	5c
645 Dorothy Tennant. Rosy mauve, deepening as the flowers age, large size	10c	5c
646 Duke of Clarence. Brilliant rosy claret; large hooded form	10c	5c
647 Duke of Sutherland. Standard, deep claret; wings bright indigo blue; a very effective and distinct variety	30c	10c
648 Emily Lynch. Standards, pink shaded to rose; wings buff, suffused with pink	10c	5c
649 Emily Henderson. Pure white, blooms early and profusely	10c	5c
650 Firefly. Intense glowing crimson scarlet; large flower	10c	5c
651 Golden Gate. Pinkish mauve and lavender; upright wings	10c	5c
652 Golden Gleam. Primrose yellow; large flower, profuse bloomer	20c	5c
653 Gray Friar. White, clouded and dotted reddish lilac, large flower	10c	5c
654 Her Majesty. Standard, rosy carmine; wings carmine lake; large flower	10c	5c
655 Katherine Tracey. Exquisite bright pink; a large, bold, perfect flower, of great substance	10c	5c

PER OZ. PKT.

656 Lady Nina Balfour. Rich heliotrope pink; as it ages it becomes a pinkish mauve, and at last it assumes a clear mauve	30c	10c
657 Lady Penzance. Standards, bright orange, tinted rose; wings rosy carmine; large flower	10c	5c
658 Lottie Hutchins. Creamy white, delicately striped and flaked with carmine blush	30c	10c
659 Maid of Honor. Light blue, on a white ground, shaded and edged; fine hooded form	10c	5c
660 Mars. Bright fiery crimson, deepening with age; large expanded flower	10c	5c
661 Modesty. Delicate blush pink; flowers large size and perfect form	30c	10c
662 Monarch. Standard, maroon purple; wings plum purple; large flower	10c	5c
663 Mrs. Eckford. Delicate primrose yellow; large flower	10c	5c
664 Mrs. Joseph Chamberlain. White ground, striped and shaded with bright rose	10c	5c
665 Prima Donna. Soft rose pink; large size and fine form	10c	5c
666 Princess Victoria. Standard, rosy carmine; wings rosy mauve	10c	5c
667 Ramona. White, delicately striped and flaked with pale pink	10c	5c
668 Salopian. Rich crimson, tinged with mulberry red; suffused orange scarlet	10c	5c
669 Shahzada. Rich dark maroon, shaded purple; large size, fine form	10c	5c
670 Stanley. Standard rich mahogany brown; wings garnet maroon	10c	5c
671 Stella Morse. Rich cream, as it ages it becomes a delicate primrose, with a faint rose pink on the edge	30c	10c
672 The Bride. Large pure white. A fine variety for florists	10c	5c
673 Triumph. Standard, deep orange pink; wings white, slightly flushed with delicate purple; large fine flower	20c	5c
674 Venus. Lovely salmon buff, shaded rose pink	10c	5c
675 Wawona. Beautiful heliotrope, striped with white; large flower, of fine form	30c	10c

McCULLOUGH'S PREMIER MIXED

SWEET PEAS.—(See page 58.)

NOTE.—As the flowers of Sweet Peas come into full bloom or fade, they should be cut off, if the pods are allowed to form, the plants will stop blooming.

SWEET PEAS.—Continued.

676 **McCullough's Premier Mixed.** This mixture contains all the best-named large flowering varieties and novelties, and is undoubtedly the finest and most complete mixture ever offered, being put up by ourselves from named varieties only, in the proper proportion of colors. 5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb. Add ten cents per pound if to be sent by mail.

PLEASE NOTE.—Our price for this mixture is the lowest that first-class Sweet Peas can be offered at, and our customers will find the quality also unexcelled.

677 **Finest Mixed.** This is a mixture of many distinct named varieties. 15c $\frac{1}{4}$ lb., 50c lb. Add ten cents per lb. extra if sent by mail.

678 **Dwarf Sweet Pea "Cupid."** This dwarf variety of the Sweet Pea is quite an acquisition, both to the flower garden and the greenhouse. Its pure white flowers are of the full size of those of the ordinary Sweet Pea, freely produced and fragrant. The entire height of the plants is about six inches, and bloom so freely for months that it appears a perfect mass of white. Oz. 20c., 5c pkt.

679 **Pink Cupid.** Same in habit as White Cupid. The standard is a bright rose-pink, while the wings are white or light pink. Oz. 30c., 10c pkt.

STOCKS, OR GILLIFLOWER.

The Ten Weeks or Annual Stock presents nearly or quite all the requisites of a very perfect flowering plant, good habit, fine foliage, beautiful flowers of almost every desirable tint. Seeds of the Stock may be sown in the open ground, or in the hot-bed or cold-frame; but, if transplanted, let this be done when the plants are small, just out of the seed-leaf, or the plants become slender, and never make good plants nor flower well. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of the flowers. Set a foot apart. Make the soil deep and rich. Some of the varieties are desirable for winter flowers, and are used for this purpose by florists.

Giant Perfection Ten Week Stock.

This magnificent strain is without a rival for open-ground planting, attaining a height of 2 $\frac{1}{2}$ feet. The spikes of bloom are very long, and the individual flowers are enormous in size and very double.

680 Light Blue.....	10c	682 Scarlet.....	10c
681 Rose.....	10c	683 White.....	10c
684 Finest Mixed. All colors.....	10c		

685 **McCullough's Cincinnati Market.** A fine perpetual blooming stock, producing one long sturdy spike closely set with enormous, double white flowers. A grand variety; fine forcer.....10c

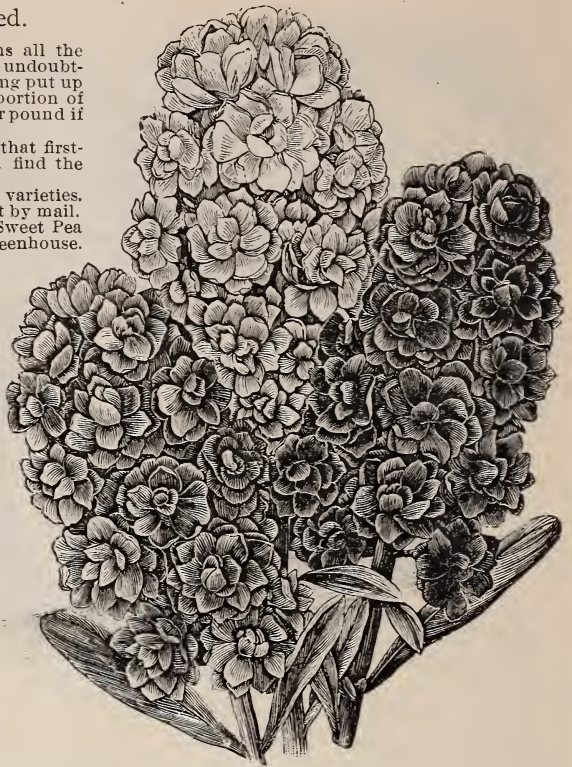
686 **Princess Alice** (Cut and Come Again). If sown early, it commences blooming in June and continues until frost. It throws out numerous side branches bearing clusters of very double pure white fragrant blossoms, and is excellent for cutting.....10c

687 **Dwarf German Mixed.** All colors.....5c

**Sweet William.**

borne profusely during the season. Fine for vases, rustic-work, or greenhouse culture. Half-hardy annual. 4 feet. PER PKT.

694 Alba Oculata. White, dark eye.....	5c	696 Bakeri. Pure white.....	5c
695 Alata. Buff, dark eye.....	5c	697 Mixed. All colors.....	5c

**Large-Flowering Stocks.****Biennial Stock.**

This class should be sown before July, and protected during the winter; or, better yet, to be kept over in cold-frames and planted out in the spring; they will then begin to flower in May, and continue through the season. PER PKT.

689 **Brompton, Finest Mixed.** Large-flowering double.....10c

Intermediate, or Autumn Stock.

Sown in the spring, they will flower in the autumn. 690 **Mixed.** Very beautiful double flowers. 2 feet.....10c

Snow-on-the-Mountain. (See Euphorbia.)

SWEET WILLIAM. (Dianthus Barbatus.)

A well-known and popular flower, which has been improved the last few years, making it a most desirable plant for the garden. The double and single varieties, with their rich and varied colors, produce a charming effect for beds or borders. Seed planted early will bloom in the fall. It is better to sow seed every year, to have young plants, as they flower more freely. Hardy perennial.

691 **Auricula Eyed Perfection.** Splendid variety of colors with clearly defined eye5c pkt.

692 **Double, Extra Large.** Finest Mixed. Very large flowers.....10c pkt.

693 **Single, Finest Mixed.** Choice colors. 5c pkt.

THUNBERGIA.

(BLACK-EYED SUSAN.)

Beautiful, rapid-growing climbers, thriving in a light, rich, loamy soil, in warm situations in the garden. The flowers are very pretty, and are

**Thunbergia.**

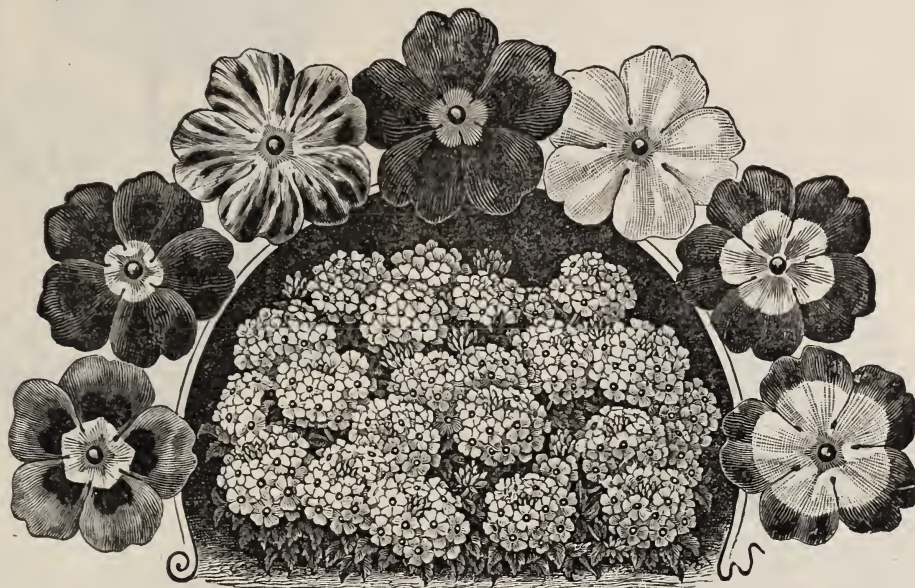
Half-hardy annual. 4 feet. PER PKT.

696 Bakeri. Pure white.....	5c
697 Mixed. All colors.....	5c

TORENIA.

A fine annual, forming a beautiful plant for vases, hanging baskets, or for growing out of doors, covered with one mass of bloom until late in the season. Half-hardy annuals.

- | | PER PKT. | | PER PKT. |
|---|----------|---|----------|
| 698 Bailioni. Very elegant flowers, of a bright golden yellow, with deep brownish-red throat..... | 10c | 700 The Bride. The lower and side petals, delicate pink, the upper one pure white; golden yellow blotch in throat..... | 25c |
| 699 Fournieri. Porcelain blue and rich violet, throat bright yellow very free-flowering; 6 inches..... | 10c | 701 White Wing. This variety is unusually attractive, being pure white, with flush of rose at the throat..... | 15c |



Mammoth Verbena.

VERBENA.

Sow Verbena seed under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual, plants that will perfectly cover a space four feet in diameter, flower well in July and continue strong and healthy until destroyed by frost. Very few plants will make the gorgeous display during the summer months, or furnish more flowers for cutting than the Verbena. Half-hardy perennial.

- | | PER PKT. | | PER PKT. |
|---|-----------------|---|----------------|
| 702 New Mammoth. The average trusses measure four inches in circumference, and the individual florets on properly grown plants over one inch across. They bloom freely, are vigorous in growth, and contain all the beautiful new colors and shades..... | Oz. \$3.00. 10c | 707 Auriculæflora. Various shades, all with distinct eye of white or rose..... | 10c |
| 703 Defiance. Seed may be relied upon to produce the true, deep scarlet color..... | 10c | 708 Citriodora. Lemon-scented..... | 10c |
| 704 Candidissima. Pure white..... | 10c | 709 Extra Choice Mixed. Embraces all colors..... | Oz. \$1.50. 5c |
| 705 Blue. All shades of blue..... | 10c | | |
| 706 Italian Striped. Beautiful..... | 10c | | |

Tom Thumb Verbenas.

Dwarf and compact, not exceeding six inches in height; the branches are only one-half the length of the old varieties, and form almost circular bushes about two feet in diameter. Flowers are large and well formed of various beautiful colors.

- 710 **Finest Mixed.** All colors.....10c

VINCA. (Madagascar Periwinkle.)

Ornamental, free-blooming plants. They flower from seed, if sown early, the first season, continuing until frost; or they may be potted and kept in bloom through the winter. 2 feet.

- | | PER PKT. |
|--|----------|
| 711 Rosea. Rose, with dark eye..... | 10c |
| 712 Alba. White, with crimson eye..... | 10c |
| 713 Alba Pura. Beautiful, pure white..... | 10c |
| 714 Mixed. | 10c |

VIOLET. (Viola Odorata.)

A great favorite, suitable for groups or borders, and much in demand on account of its profusion of bloom and delightful fragrance. Violet seeds germinate very slowly. Hardy perennial.



Violet.

- | | |
|---|-----|
| 715 Cornuta Admiration. Beautiful dark blue..... | 10c |
| 716 Cornuta White Perfection. Large white, fine..... | 10c |
| 717 Odorata, The Czar. Large violet, fragrant..... | 10c |
| 718 Odorata, White Czar. Large white, fragrant..... | 10c |
| 719 Finest Mixed. All varieties mixed..... | 10c |

VIRGINIAN STOCK.

(Chieranthus Maritimus.)

A beautiful free-flowering plant for borders or baskets. Hardy annual.

- 720 **Mixed.** All colors; 3 inches...5c pkt.



Vinca Rosa.

WALLFLOWER.

A well-known half-hardy perennial, much esteemed for its fragrance, with large, conspicuous spikes of beautiful flowers.

PER PKT.

- 721 Double. Mixed.....10c
722 Single. Mixed.....5c

White Paris Daisy. (See Chrysanthemum Frutescens.)

WIGANDIA.

Beautiful ornamental-foilage plants, of rapid growth, with immense leaves 3 feet long by 1½ wide, richly veined; the stems are covered with crimson hair. They impart a tropical aspect to a garden or lawn, or for greenhouse decoration. Half-hardy perennial.

- 723 Finest Mixed. All colors.....10c pkt.

Woodroof. (See Asperula Odorata.)

XERANTHEMUM.

A free-flowering everlasting, of neat, compact habit. Leaves, silvery; flowers abundant on strong stems. Useful for winter bouquets. Hardy annual.

- 724 Double Mixed. All colors.....5c pkt.

ZEA. (Maize.)

Plants with beautiful striped ornamental foliage. Hardy annual. 5 feet.

- 725 Japonica Gigantea. Beautifully striped, very fine.....5c pkt.



Dwarf Zinnia.

ZINNIA.

The double Zinnia is one of the most brilliant and showy of annuals, and has long been a general favorite. The seed can be sown early in the hot bed and transplanted, or sown later in the open ground. Half-hardy annuals.



Mammoth Flowering Zinnia.

PER PKT.

- 726 Mammoth-flowering. The plant forms a handsome bush, two feet high, and the mammoth, perfectly-formed double flowers, measuring five to six inches across of most intense and brilliant colors, comprising new and rich hues.....10c
727 Queen Victoria. Largest flowered pure white; very fine.....10c
728 Curled and Crested. A beautiful strain, the petals being twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the beautiful shades characteristic of the Zinnia.....10c

Large Flowering Double Dwarf.

PER PKT.

- 729 Bright Rose.....5c
730 Scarlet.....5c
731 White.....5c
732 Yellow.....5c
733 Finest Mixed. All colors.....Oz. \$1.00
734 Zebra. A very pretty strain of striped flowers. As the colors vary on each plant, they present a curious as well as beautiful appearance.....10c

Lilliput. (Pompon.)

Charming class of Zinnias, with small, very double flowers, fine for bouquets. 1½ feet.

- 735 Golden Gem. Brilliant golden yellow.....10c pkt. 737 White Gem. Pure white, extra fine.....10c pkt.
736 Scarlet Gem. Intense dazzling scarlet.....10c pkt. 738 Finest Mixed. All colors.....10c pkt.



No. 800.

“Wild Garden” Flower Seed.

Each package contains about 100 varieties of hardy flower seeds mixed together, and wherever planted will insure something new almost every day. Is suitable for sowing in shrubbery, under trees, and in beds on which no care will be bestowed, or even for sowing in exposed situations, where wildness is preferred to order and precision.

To those who can not bestow the necessary care required in a neatly laid out flower garden, the “Wild Garden” presents a substitute, which, for its unusual and varied effect, for cheapness and small amount of labor necessary for its construction, has no rival.....Oz. 30c; 5c pkt.

DIRECTIONS FOR THE CULTIVATION OF FLOWERS FROM SEED.

ANNUALS are plants which flower, produce seed, and die the same year they are sown; **Biennials**, those which are sown one year, bear their flowers and seeds and die the next; under the term "**Perennials**" are classified those which grow and flower for several years; and included in one or the other of these classes are hundreds of floral gems. These three classes are each again divided into hardy and half-hardy sections, and, as they require different modes of treatment for their successful cultivation, the few details we give under each heading may be useful to those who have had but little practice amongst them.

HARDY ANNUALS are such as can with safety be sown in the open ground, requiring no protection; they will grow in almost any ordinary garden soil, and, if judiciously selected and sown in succession, they are capable of yielding a profusion of flowers, equal in many respects to the "summer bedders" which often occasion so much anxiety and care. The object to be aimed at in the culture of Annuals should be a steady and fairly vigorous growth, the desideratum being flowers and plenty of them, and not an over-luxuriant growth with a scarcity of blossoms, as is nearly always the result of a too liberal application of manure.

Sow in April or May, either in their permanent place in the open ground, or in shallow boxes two or three inches deep, placed in a warm window, or in a hot-bed, the latter method being generally preferable, as plants grow hardier by being transplanted. The selection of the soil is a very important point; a light, rich, sandy loam, not too wet or too dry, makes the best seed-bed, and is often improved by the addition of a little pulverized charcoal. Smooth the surface before sowing, cover the seed with sifted earth, and keep the soil always moist.

The absolute essential of successful flower growing is not to bury the seed too deep. The very best of seed can not grow when choked with soil. Amateurs fail here oftener than at any other point, and the seeds and the seedsmen are unjustly blamed for the failure. Generally, seeds should not be covered to a depth greater than two or three times their diameter. Fine seeds, such as *Portulaca*, etc., ought not to be covered at all, or but slightly, pressing it down with a strip of board. Sun and light must be excluded from the newly sown seed—cover with paper held down by sticks or stones until the seed has germinated, and then admit gradually the air and light. Knowing the height and general habit of the plant, thin accordingly, always leaving sufficient space between them for each plant to fully develop itself. Any neglect in this particular is fatal to the production of fine flowers, a little extra trouble in thinning being amply repaid by the greater profusion and lengthened duration of the blossoms. Keep them free from weeds, run the hoe amongst them occasionally, and water if necessary at any time.

Half-Hardy and Tender Annuals. This section comprises some of the most useful and interesting plants, suitable for the summer decoration of the flower-garden, but being of a rather tender nature they require careful treatment in the first stages of their growth. For flowering in the open air, the first sowing is made in heat, in March or April, and the second in the open ground, when the risk of frost has passed. For early sowing, use shallow pans or boxes, well-drained and filled with a nice light compost of loam, leaf-mould and sand; place them in a frame where they can have the advantage of a little mild bottom-heat, and there they will germinate quickly. When large enough, prick out into a little stronger compost, either in pots or boxes, or under hand-lights, and gradually harden off, for planting out in May. If only a few are required, and not very early, they should be sown thinly on a half-spent hot-bed or in the house. If sown after the middle of May they may be planted in the open ground like Hardy Annuals. In the case of very small seeds, such as *Petunia*, *Lobelia*, etc., the covering of soil should be very thin, barely hiding the seeds, and as seeds so small are liable to be carried down into the soil unless very carefully watered, it is even advisable to moisten the surface of the soil before sowing instead of afterward. Toward the end of May, when the danger from night frosts is past, the plants can be transplanted to their permanent positions in the open bed or border. Tender Annuals should be sown in the same way as the Half-Hardy ones, at any time from the month of February, according to the peculiarities of each. The plants should be potted off singly into rich compost, and kept as close to the glass as possible. Repot when necessary, and grow on in heat rapidly until the plants are well advanced. Keep them well supplied with water, and a uniform temperature must be maintained, so that they may not receive any check whilst growing. They should then be gradually hardened off, so as to be ready for placing in the conservatory as they come into flower. Many of the varieties may be planted in the flower-garden about the middle of June, where their neat and attractive appearance will add considerable interest to the summer display.

Hardy and Half-Hardy Biennials and Perennials. Under the heading of Biennials and Perennials are included many of our finest flowering plants, which are often neglected because they do not bloom the first year from seed. This long waiting for bloom may in many cases be avoided by treating the seeds as recommended for Half-Hardy Annuals, and starting them sufficiently early to form large, strong plants by the time they should be planted in their permanent quarters. The hardier species and varieties of Biennials and Perennials may be sown at the same time as Annuals, if desired, always choosing showery weather and a shady situation for the operation; but if they are wanted for flowering the following spring, sow in May or June, and again at the end of August or beginning of September. The plants raised from this later sowing should stand in the seed-bed all winter, and be transplanted the following spring. Those raised in May or June should be pricked out thinly on a nice piece of ground, and encouraged to make a good growth before they are lifted and planted out in October. Many of the species improve by age, forming large clumps or bushes, and, by being divided occasionally, the stock is increased and the plants invigorated. Half-hardy and Tender subjects should be treated, in a general way, as if they were Annuals, with regard to their propagation and subsequent culture.

Seeds of Green-House Plants. These can be sown at any season of the year, but extra care should be given them, especially to such varieties as *Begonias*, *Calceolarias*, *Cinerarias*, etc., as the seeds are very small and delicate. Sow the seed in well drained pans, choosing for soil a fine sandy leaf-mould; press it firmly, smooth the surface and sow the seed very evenly; cover with a light sprinkling of sand or not at all, lay a pane of glass over the pan, place it in a close frame and keep shaded. Most failures are due to mistakes in watering, which should be done very carefully; the seed pans should never be allowed to dry out, as one neglect will kill the seeds just starting, while on the other hand a slight excess of water will cause the seeds to rot. After the plants are up, remove the glass and prick into other pans with the same soil; great care should be taken not to pull the plants or tear the roots in transplanting; lift with a trowel or stick and shift with good roots. Keep them shaded after transplanting until the young plants are well established in the new soil. As soon as the plants touch each other, transplant again into small pots with similar soil, using the same precaution of shading at first, if troubled with green flies, fumigate occasionally with tobacco.

Full Cultural Directions on all Flower Seed Packets.

Summer=Flowering Bulbs and Roots.

Our Prices Include Postage on Single Bulbs and by the Dozen, Except Where Otherwise Noted. Bulbs Quoted by the Hundred are not Sent Prepaid.

AMARYLLIS.

Plant in equal parts sandy loam and leaf mold. If convenient, start in a hot-bed, beginning with fifty degrees of heat, increasing to sixty or seventy. When the leaves appear, water carefully and not in too great quantity. The Formosissima and Rosea planted in May make rich and showy border plants.

- Atamasco Rosea.** These are very ornamental, and flower all summer. Delicate pink.....5c each, 50c per doz.
- Equestris.** Large, beautiful flowers, of a bright salmon pink, with snow-white throat.....30c each.
- Johnsonii.** Crimson, striped with white, very fine.....30c each.
- Formosissima.** Rich, velvety crimson, fine.....20c each, \$2.00 per doz.

BEGONIAS, TUBEROUS-ROOTED.

The Tuberous-Rooted Begonias are among the handsomest of our summer-flowering bulbs. They are not grown to the extent they should be, as they require no more care than Geraniums, have as fine a range of color, and will bloom continuously throughout the summer.

- Single Scarlet, Crimson, Pink, White and Yellow.** In separate colors.....12c each, \$1.25 per doz.
- Single Varieties.** Mixed colors.....10c each, \$1.00 per doz.
- Double Varieties.** Mixed colors.....20c each, \$2.00 per doz.



Single Tuberous-Rooted Begonias.

CROZY'S EVER-BLOOMING CANNAS.

These varieties have become famous for the immense size and color of their flowers, the graceful and highly ornamental foliage, together with their dwarf habit of growth, are fast becoming most important plants for decoration.

- | | EACH. | PER DOZ. |
|--|-------|----------|
| Alsace. Sulphur yellow changing to creamy white without spots; vigorous grower, green foliage. 4 feet..... | 10c | \$1.00 |
| Burbank. Rich canary yellow, lower petals spotted crimson. 6 feet..... | 10c | \$1.00 |
| Charles Henderson. Bright vermillion red, pencilled with yellow in the centre; compact, dwarf with very large flowers. 3½ feet..... | 10c | \$1.00 |
| Egandale. A fine dark foliaged variety, with flowers currant red; very distinct and striking appearance. 4 feet..... | 10c | \$1.00 |
| Flamingo. Glowing crimson, flowers large, gracefully reflexed and of fine form. Dark green foliage. 4 feet..... | 10c | \$1.00 |
| Florence Vaughan. Rich golden yellow spotted bright red. 4 feet..... | 10c | \$1.00 |
| John White. Light green foliage, beautifully striped with white, yellow and rose, edged with red; fine for vases, boxes and bedding..... | 10c | \$1.00 |
| Madame Crozy. Dazzling crimson scarlet, bordered with golden yellow; foliage bright green. 4 feet..... | 10c | \$1.00 |
| Maiden's Blush. Beautiful shell pink; large regular well expanded flowers; borne in large trusses..... | 15c | \$1.50 |
| Old Gold. Large pure yellow flowers; stands the hot sun to perfection; free bloomer..... | 10c | \$1.00 |
| Paul Marquant. Bright salmon scarlet, passing to a rosy carmine with a peculiar silvery lustre; large and distinct flowers. 3½ feet..... | 10c | \$1.00 |
| President Carnot. Orange-scarlet, chocolate-maroon foliage. A fine variety..... | 10c | \$1.00 |
| Philadelphia. Scarlet crimson, very rich and velvety; early and constant bloomer; handsome foliage. 4 feet..... | 20c | \$2.00 |
| Queen Charlotte. Rich scarlet, with a wide, bright gold band around each petal; large flowers, green foliage. 3 feet..... | 10c | \$1.00 |
| Souvenir Antoine Crozy. Intense scarlet crimson, with a broad, rich golden yellow edge, and does not fade or scorch in the hot and dry weather. Flowers very large, of great substance, opening flat; 3 feet..... | 15c | \$1.50 |
| Crozy's Dwarf Varieties Mixed. | 8c | 75c |
| Robusta Perfecta. A most distinct and handsome sort, bearing immense leaves 12 to 18 inches wide and three feet long, of a bright, bronze-red color; 6 to 7 feet high. With good cultivation will grow 10 feet..... | 10c | \$1.00 |



Crozy's Cannas.

FANCY-LEAVED CALADIUMS.

Fancy-leaved Caladiums have, in recent years, grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window-boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the round has become warm, in partly shaded, sheltered borders, in well-enriched light soil, while for exhibition plants at fairs, etc., during the summer and fall months, nothing can equal their beauty.

Alphonse Karr. Carmine centre with red spots on a green ground.

Candidum. White ground with strongly marked green ribs.

Louis Duplessis. Red rays and veins on a white ground, with green margin.

Max Kolb. Light green ground with gray centre and red spots.

Prince Albert Edward. Dark emerald-green ground, crimson radiating mid-rib white spots.

Perle du Bresil. White, delicately tinted with rose, mid-rib dark green.

Reine Victoria. Green, spotted with white and crimson.

Wightii. Dark green, with white and red spots.

25 Cents Each. \$2.50 Dozen.

CALADIUM ESCULENTUM.—(Elephant's Ear.)

One of the most effective plants in cultivation for the flower border, or for planting out upon the lawn. It will grow in any good garden soil, and is of the easiest culture. It should be planted where it will obtain plenty of water and a rich compost. Foliage, light green.

	EACH.	PER DOZ.
1st Size. Small Bulbs.....	10c	\$1 00
2nd Size. Large Bulbs.....	15c	1 50
3rd Size. Extra Large Bulbs.....	25c	2 50
4th Size. Selected Extra Large Bulbs.....	35c	3 50
5th Size. Monster Bulbs.....	50c	5 00



Caladium Esculentum.

Camelliaflora. Very distinct; unlike any other white Dahlia. Plant a robust grower, with the long-stemmed flowers poised high above it. Flowers pure white, with long-toothed and quilled petals. One of the very best.

Crimson Ball. Bright crimson purple, of perfect ball shape and always full to the centre. The plant is a dwarf, vigorous grower and a constant bloomer.

John Sladden. Perfect form, large dark maroon, almost black.

Mary Hallock. Petals beautifully quilled, forming perfect, golden yellow flowers.

Meteor. Very large, velvety crimson.

Miss Dodd. The finest formed yellow Dahlia. The blooms are of the largest size, perfectly double, and on long stems, a late bloomer.

White Dove. Flowers are extra fine, double, pure white, petals beautifully toothed, stems very long; height, 3½ ft. The cut flowers of this variety are more sought for by the florists than any other.

Guiding Star (Pompon). Flowers pure white, of most perfect shape; the edges of the petals are beautifully fringed; dwarf and bushy and very free-flowering. One of the best for cut flowers.

Nymphaea. By far the most distinct of all Dahlias. Petals broad, somewhat incurved. The color is a very light pink, giving the flower the appearance of a full-blown rose. Lasts several days and has a sweet, delicate fragrance. A most prolific bloomer, bearing flowers on long stems. Just what you want for bouquets or decorations.

15 Cents Each. \$1.50 Dozen.

Double Varieties. Assorted.....10c each, \$1.00 doz.

Double Pompon. Mixed.....10c each, \$1.00 doz.

Single Varieties. Assorted.....10c each, \$1.00 doz.

Cactus Varieties. Assorted.....10c each, \$1.00 doz.

FUNKIA.—(Day Lily.)

A handsome plant, with broad, ovate leaves, and white and blue flowers.

White.....2c each. | **Blue.....**20c each.

SPIDER LILY.

A bulbous plant belonging to the Amaryllis family, producing large clusters of beautiful pure white flowers.....25c each.



Fancy-Leaved Caladiums.

Leaves, deep green, with many white spots. Flowers, pure white, with black center. Culture easy; blooms freely.....10c each, \$1.00 doz.

Black Calla.—(Arum Sanctum.)

From the Holy Land, resembling in habit and foliage the White Calla, flowers of a rich blackish purple, and very large.....15c each, \$1.50 doz.

CINNAMON VINE.

A rapid-growing climber. The leaves are heart shaped, bright glossy green; growth is very rapid, reaching about 8 feet in height; quite hardy.....10c each, \$1.00 doz.

DAHLIAS.

Put Dahlia tubers in the ground when the season becomes warm, covering the neck some three inches. After flowering, and before hard frosts, take up the plants, remove the tops, dry the bulbs a little, and put in the cellar until spring, when they can be divided and replanted.

Double-Flowering.

A. D. Livoni. 4 feet. This is the most lovely form of any pink Dahlias; long stems, petals beautifully quilled.



Double Dahlias.

GLADIOLUS.

The most attractive of all summer flowering bulbs are the Gladioli. Wonderful improvements have been made in recent years in the size and beauty of these flowers, and our list comprises only the best selections, both in our mixtures and named sorts. Their cultivation is very simple, as they will thrive in any ordinary garden soil, but amply repay care and liberal feeding by enhanced size and beauty. A succession of bloom may be had from July to September by planting at intervals from April to June. The strongest bulbs should be kept for the latest planting. Plant six inches apart in beds or double rows, and three inches deep. They are very effective when planted among roses, shrubbery, etc. In the fall, before frost, the bulbs should be lifted, dried and stored in a cellar or some other position away from frost, for planting again the following spring.

Africain. Darkest crimson, with a pure white blotch on throat.
Brenchleyensis. Bright vermilion scarlet.
Duchess of Edinburgh. Purplish rose, carmine stripe on lower petals.
Gen. Sheridan. Large bright scarlet, with pure white blotch on lower petals.

Isaac Buchanan. Pure yellow; a beautiful flower.
La Candeur. Pure white, lightly striped with carmine violet.
Lord Byron. Brilliant scarlet, blotched pure white.
Martha Washington. Fine spikes, light yellow, lower petals tinged with rose.

May. White ground, slightly striped crimson.
President Lincoln. Blush white, suffused with bright rose.
Shakespeare. White, suffused carmine rose, large rosy blotch.

Above Named Varieties 10 Cents Each. \$1.00 Per Dozen.

Snow White. The flowers are of fine shape, large in size, and of a pure paper-white color, seldom showing a trace of any other shade. The spikes are large, and set thickly with flowers.

Lemoine's Hybrids, Superfine Mixed. A beautiful and remarkable class of Gladiolus, which for vivid and rich orchid-like coloring have no equal; in the blotch, which is a remarkable and typical feature, the coloring is exceptionally fine.

New Giant. A magnificent new race of extraordinary size and remarkable beauty. These new varieties are twice the size of the Gladiolus Gandavensis varieties, while possessing their long-lasting properties, and the beautiful markings of the Lemoine section. Mixed varieties.....10c each, 75c per doz., \$5.00 per 100.

Banning's Superb Mixture. We can safely say this is the finest mixture procurable. It is made up from the lightest colored and largest flowering varieties; especially recommended to those who desire to grow them for cut flowers.....5c each, 50c doz., \$3.00 per 100.



Gladiolus—Snow White.

Gladiolus in Mixture.

Our mixtures are made up from fine varieties, and are all selected first-size bulbs, and are sure to give the best results.

	EACH.	DOZ.	100.
Scarlet and Crimson. Shades mixed.....	5c	25c	\$1.50
White and Light. Shades mixed.....	5c	40c	3.00
Yellow Shades Mixed.....	5c	40c	3.00
Striped and Variegated. Shades mixed.....	5c	40c	2.50
Pink. Shades mixed.....	5c	40c	2.50
Extra Choice American Hybrids. Splendid mixture of choicest varieties.....	5c	30c	2.00
Fine Mixed. All colors.....	5c	25c	1.50

IF SENT BY MAIL ADD TEN CENTS PER DOZEN EXTRA FOR POSTAGE.

GLOXINIA.

Magnificent for house culture, producing in great profusion beautiful flowers of the richest and most beautiful colors. They succeed best in sandy loam and peat, and require a moist heat. After blooming, dry off gradually, let the bulb remain in the pot without water, and keep in a warm place until they show signs of starting again.

Large Flowering Varieties. Finest mixed15c each, \$1.50 per doz.

HYACINTHUS CANDICANS.

A snow-white summer flowering Hyacinth, growing three to five feet in height, gracefully surmounted with from 20 to 30 pure white bell-shaped flowers.....7c each, 60c per doz.

IRIS KAEMPFERI. (Japan Iris.)

One of the most astonishing tribes of plants ever seen, both in its robust, free-blooming habit, and in the superb loveliness of its immense flowers. These differ from the other Irises in having the blossoms broad and flat, like a Clematis, growing best in moist, rich soils.

Mixed Varieties.....15c each, \$1.50 per doz.

MADEIRA or MIGNONETTE VINE.

A rapid-growing vine, covering a large space in a short time. Fleishy, heart-shaped leaves of a light green, and numerous racemes, of feathery flowers of delicious fragrance. A beautiful and popular vine.

5c each, 40c per doz.

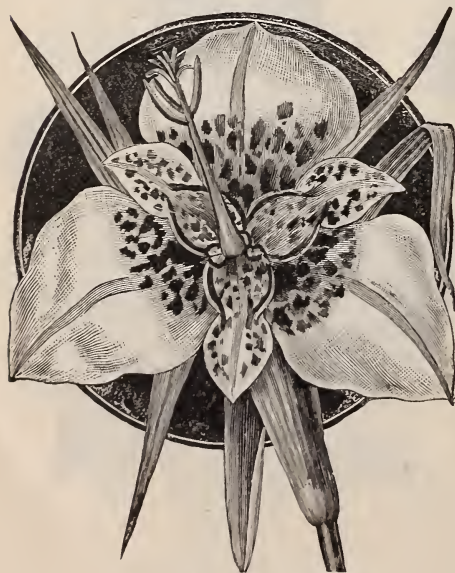
TIGRIDIA. (Shell Flower.)

Curious and beautiful shell-like flowers about four inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Conchiflora. Orange, with crimson spots.....5c each, 50c per doz.

Grandiflora. Very large; deep crimson.....5c each, 50c per doz.

Grandiflora Alba. Large ivory-white flowers, spotted with maroon and rosy lake in centre.5c each, 50c per doz.



Tigridia.

**Lilium Auratum.**

- Tigrinum Flore Pleno** (Double Tiger Lily.) This is a plant of stately habit, bearing an immense number of double, bright orange red flowers, spotted with black, three to five feet. August.....15c each, \$1.50 per doz.
- Lily of the Valley** (*Convallaria Majalis*.) One of the most charming of our spring-flowering plants. Its slender stems, set with tiny bells diffusing a delicious odor, having rendered it a universal favorite. They are entirely hardy, and delight in a shady, well-enriched border.....Pips 3c each, 25c per doz.
- Water Lily** (*Nymphaea Odorata*.) This favorite Water Lily is easily cultivated in ponds or tubs, on a muddy bottom, with two feet or more water.....15c each, \$1.50 per doz.

MONTBRETIA CROCOSMIFLORA.

This is one of the most floriferous and showy of summer-flowering plants, and destined to great popularity. Planted 8 x inches apart in a group in a sunny position, and allowed to remain undisturbed for several years, they form magnificent clumps, producing in great numbers, graceful spikes bearing from 18 to 30 showy star-shaped flowers of orange suffused with red. They flower freely the first season.....5c each, 50c per doz., \$4.00 per 100.

OXALIS. (Summer-Flowering.)

Valuable for edging walks, flower beds, etc. Bulbs planted three inches apart form rounded rows of delicate foliage, about one foot high, which produce flowers in endless succession.

- Dieppi.** Bright crimson.....15c per doz., 75c per 100. | **Dieppi Alba.** Pure white, very fine.....15c per doz., 75c per 100.
- Lasandria.** Fine, rosy pink, beautiful cut foliage. This is the tallest, and when planted in a bed with Dieppi should occupy the center.....15c per doz., 75c per 100.

GEMS FROM MEXICO.

- Milla Biflora.** Flowers pure, waxy white, very fragrant, on stalks about eighteen inches high.....7c each, 60c per doz.
- Bessera Elegans.** Long grass-like leaves and slender flower stalks, one foot high, carrying a loose umbel of flowers, each a scarlet bell, striped with white, stamens with blue anthers.....7c each, 60c per doz.

TRITOMA UVARIA, GRANDIFLORA. (Red-Hot Poker Plant.)

Splendid half-hardy plants, with long, narrow leaves and a tall flower-stem, from three to five feet, with terminal spikes of orange-red and scarlet flowers, each spike twelve to fifteen inches in length.....25c each, \$2.50 per doz.

TUBEROSES.

One of the most delightfully fragrant and beautiful of the summer flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March, in the greenhouse or hot-bed; and for a succession they can be planted at intervals as late as August. For flowering in the open border, plant about the first of May.

Excelsior Pearl. Much superior to the ordinary Double Pearl Tuberose. This variety is characterized by its short, roost stem, and long spikes of flowers, which are more double and twice as large as those of the old sort.

- 4c each, 35c per doz., \$1.75 per 100.
- Dwarf Pearl.** Large size.....2c each, 25c per doz., \$1.25 per 100.
- Double, Tall.** Extra large bulbs.....4c each, 35c per doz., \$1.75 per 100.

NEW BRANCHING TUBEROSE ALBINO.

This charming single-flowering Tuberose is of the purest white, both inside and out, even in the hottest sun, the petals recurve gracefully, flowering much earlier than the old single variety, and producing from two to five flower stems from a single bulb. The odor is less heavy than that of the Double Tuberose.....5c each, 50c per doz.

**Albino Tuberose.**

LILIES.

No class of plants can lay so much claim to our attention as the Lilies. They are stately, elegant and beautiful, and possess the most agreeable perfume, and for general effect, whether growing in garden or house, they have no rivals. The soil should be rich, deep and mellow, with good drainage, as nothing will injure the bulbs more than water collecting and standing around them. Do not put manure about the bulbs when setting, as it collects moisture and insects, and often causes the bulbs to decay. Top dressing is the better way to enrich the soil after the bulbs are set. The beds should be well covered with leaves and strawy manure to exclude the frost. Set bulbs four to six inches deep according to their size.

Auratum. (Golden Japan Lily.) This superb Lily has flowers 10 to 12 inches in diameter, composed of six white petals, thickly studded with rich chocolate-crimson spots and a bright golden band through the center of each petal; exquisite vanilla-like perfume. Extra strong bulbs 25c each, \$2.50 dozen. Fine bulbs 15c each, \$1.50 dozen.

Canadense Flavum. Bright yellow, spotted with brown; two to four feet; June and July.....10c each, \$1.00 per doz.

Longiflorum. A variety bearing in clusters beautiful snow-white trumpet-shaped flowers of rare fragrance; fine for forcing and house culture.....25c each, \$2.25 per doz.

Speciosum (*Lancifolium*.) Well-known as Japan Lilies, and one of the most popular garden varieties, also excellent for pot culture, of easy growth, and may be relied upon to give satisfaction, growing two to four feet high, and blooming in August.

	EACH.	DOZ.
" Album. Large, fragrant, pure white.....	25c	\$2.50
" Roseum. White, shaded with rose, fragrant.....	15c	1.50
" Rubrum. White, heavily spotted with rich crimson, fragrant.....	15c	1.50
Superbum. Orange, tipped and spotted red.....	10c	1.00
Tigrinum Splendens (Tiger Lily.) Orange red, spotted with black.....	10c	1.00

PALMS, FERNS, ARAUCARIAS, Etc.

We call special attention to our stock of Palms, Ferns, Araucarias, Ficus, Pandanus, etc., which is the largest and most complete in the West. We have a full line of sizes, and can offer special inducements on FINE SPECIMEN PLANTS. Whenever possible, we solicit a personal inspection of our stock either at

NURSERIES OF THE McCULLOUGH SEED CO., McCULLOUGH STATION, PLEASANT RIDGE, OHIO, C. L. & N. R. R., OR AT OUR STORE, 316 and 318 WALNUT STREET, CINCINNATI, OHIO.

Our rapidly increasing trade in DECORATIVE PLANTS has compelled us to erect another greenhouse devoted specially to this class of stock.

- Areca Lutescens.** One of the most graceful and beautiful Palms grown; the foliage is of a bright glossy green, with rich golden yellow stems.....\$1.00 to \$5.00.
- Cocos Weddelliana.** An elegant and graceful small Palm. Its slender erect stem is freely furnished with gracefully arching leaves. The Cocos are admirable for Fern dishes, as they are of slow growth and maintain their beauty for a long time.....50c to \$5.00.
- Cycas Revoluta** (Sago Palm.) A valuable decorative plant, both for house and lawn. Their heavy glossy, deep green fronds resist alike the gas, dust and cold, to which decorative Plants are frequently exposed.....\$1.50 to \$10.00.
- Kentia Belmorianana.** One of the hardiest and best Palms for growing in a house. They are of slow growth and not affected by the dry atmosphere, of dwarf spreading habit.....\$1.00 to \$7.50.
- Kentia Fosteriana.** Similar to Belmorianana, with stronger growth and broader, heavier foliage.....\$1.00 to \$5.00.
- Latania Borbonica** (Chinese Fan Palm.) A very popular and hardy variety.....50c to \$7.50.
- Livistonia Rotundifolia.** One of the prettiest Palms, especially suited for table decoration. The foliage is gracefully recurved, forming an almost globular plant.....\$1.50 to \$5.00.
- Phoenix Reclinata.** A strong growing form of the Date Palm, with dark green, glossy foliage; a most desirable variety.....\$1.00 to \$4.00.
- Combination Palms.** Many prefer this class of plant. The center plant is tall, with three small plants around it, the whole forming a handsome bushy specimen.....\$4.00 to \$15.00



Kentia Belmorianana.

FERNS.

Undernoted we give a description of a few of the leading varieties of Ferns, but can supply other sorts of merit at low prices.



Boston Fern.

- Adiantum Cuneatum.** The popular Maiden Hair Fern.....50c to \$1.00.
- Adiantum Farleyense.** This is the finest of all the Maiden Hair varieties. 50c to \$3.00.
- Davillia Stricta.** One of the finest Ferns, whether for growing as a decorative plant in the room or planting out; the fronds are of strong texture and of a beautiful shade of green.....25c to 50c.
- Nephrolepis Bostoniensis** (Boston Fern.) In the vicinity of Boston no other plant is used so extensively as this graceful Nephrolepis, which differs from the ordinary Fern in having much longer fronds, which frequently attain a length of four feet. These fronds arch and droop over very gracefully, on account of which it is frequently called the Fountain Fern. This drooping habit makes it an excellent plant to grow as a single specimen on a table or pedestal.....50c to \$2.50.
- Nephrolepis Cordata Compacta.** A fine variety of strong-growing, compact habit. The fronds are of a dark green color, very rich and of upright growth, with just sufficient arch in them to make them graceful.....50c to \$2.00.
- Nephrolepis Davalloides Furcans.** A beautiful and distinct crested variety. The fronds terminating in a branching crest of finely cut and divided growths; a most desirable variety.....50c to \$2.00.
- Onoclea Germanica** (Ostrich Fern). A handsome hardy fern. Thrive best in a good, strong, loamy soil, and are suitable for the outdoor Fernery Rockwork, etc. 15c to 25c.
- Pteris Tremula.** One of the finest Ferns for house decoration, growing very rapidly and throwing up large, handsome fronds; makes magnificent specimens; easily grown and very popular.....25c to 50c

**WE HAVE A FEW HANDSOME SPECIMEN PLANTS OF
NEPHROLEPIS IN HANGING BASKETS,
\$3.50 TO \$5.00.**

- Alocasia Illustris.** An excellent plant to grow in connection with fancy-leaved Caladiums, or for planting in the open border in a partly shaded position. The foliage is large, of a dark green, clouded with a velvety blue-black.....25c each, \$2.50 per doz.
- Araucaria Excelsa.** The most popular of all tender evergreens, is becoming a greater favorite every season. As a decorative plant for the house, this is one of the handsomest and most serviceable.....\$1.50 to \$4.00.
- Araucaria Excelsa Glauca.** An exceptionally valuable variety; a compact grower. The fronds are longer, broader, and heavier than those of Excelsa, and are of a bluish green color, which, under the proper conditions, has a silvery, glaucous tint.....\$2.00 to \$7.50.
- Araucaria Robusta Compacta.** The finest of all the Araucaria. Foliage very dense, heavy and compact, much more beautiful and desirable than Excelsa.....\$2.00 to \$7.50.



**Araucaria Robusta
Compacta.**

Asparagus Sprengeri. A beautiful new variety of this graceful class of plants, especially useful to grow as a pot plant for house decoration, or for planting in hanging baskets, where it makes a graceful drooping plant with branches or fronds four to five feet in length, of a rich shade of green; a useful plant for cutting for decorating, as it retains its freshness for weeks after being cut. It is easily managed, and will grow in almost any position.....30c to \$5.00.

Clerodendron Balfouri. A rapid growing climber of great beauty. It can also be trained in bush form. A very profuse bloomer; its bright scarlet flowers are enveloped in a creamy calyx. The trusses or panicles of flowers are upwards of six inches in length, and when trained upon trellises and hanging down, have a rich and elegant appearance.

25c to \$1.00.

Cyperus Alternifolius (Umbrella Plant.) An excellent pot plant, thrives in any good soil, and always presents a green and attractive appearance.....25c to 50c.

Dracæna Fragrans. One of the most admired of decorative plants, with beautiful deep green leaves.....\$1.00 to \$2.50.

Dracæna Indivisa. Green and bronze; narrow leaves; a very graceful plant for the center of vases or hanging baskets.....25c to \$1.00.

Dracæna Terminalis. Rich crimson foliage, marked with pink and white.....50c to \$1.00.

Ficus Elastica. The well-known India Rubber Tree, one of the best for table or parlor decoration. Its thick, leathery leaves enables it to stand excessive heat and dryness.....35c to \$2.00.

Pandanus Utilis (Screw Pine.) This is one of the most useful, ornamental foliage plants; excellent for the center of vases and baskets, or grown as a single specimen plant.....\$1.00 to \$10.00.

Pandanus Veitchi. One of the most attractive decorative plants. The leaves are light green, beautifully marked with broad stripes of pure white, and gracefully curved.....\$1.00 to \$5.00.

Sansevieria Zealanica. An elegant variegated plant, especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity.....25 cts.



Asparagus Sprengeri.

GENERAL LIST BEDDING PLANTS.

	EACH.	PER DOZ.		EACH.	PER DOZ.
Abutilon , in variety.....	10c	\$1.00	Hollyhock	15c	\$1.50
Ageratum , blue.....	10c	\$1.00	Lantana	10c	\$1.00
Alternanthera , of sorts.....	8c	75c	Lobelias , sorts.....	8c	75c
Asters , Assorted Colors.....	5c	60c	Marigolds , sorts.....	5c	60c
Begonias , sorts.....	10c to 15c	\$1.00 to \$1.50	Nasturtium , sorts.....	5c	60c
Cannas , New Dwarf.....	15c	\$1.50	Pansies . McCullough's Premier Strain.....	5c	50c
Centaurea Gymnocarpa	10c	\$1.00	Petunia . Double; sorts.....	15c	\$1.50
Coleus , new sorts.....	8c	75c	Petunia . Single; sorts.....	10c	\$1.00
Feverfew . Golden Yellow Foliage.....	5c	60c	Phlox , Drummondi.....	8c	75c
Feverfew . Double White.....	10c	\$1.00	Salvia . Scarlet.....	10c to 15c	\$1.00 to \$1.50
Fuschias	10c to 20c	\$1.00 to \$2.00	Stocks . Double.....	10c	\$1.00
Geranium . Double; sorts.....	10c	\$1.00	Verbenas . Finest.....	8c	75c
Geranium . Single; sorts.....	10c	\$1.00	Vincas , sorts.....	10c	\$1.00
Heliotrope , sorts.....	10c	\$1.00	Zinnias , sorts.....	5c	60c

CARNATIONS. (For Summer Flowering.)

The following varieties will be ready for delivery in April and May. They are strong plants from 3-inch pots, specially grown for summer and autumn blooming.

Daybreak. A delicate shade of pink; greatly admired.

Empress. The finest crimson; flowers very large, beautifully fringed, and are produced freely on long stout stems.

Flora Hill. The finest white; flowers of enormous size; strong stems; free bloomers.

Gold Nugget. The favorite yellow; flowers are large, and are freely produced on long stout stems.

Jubilee. Intense scarlet; flowers very large; long straight stems; calyx very strong; never bursts.

Mrs. Geo. M. Bradt. Clear white, heavily edged and striped with bright scarlet; flower very large, and free bloomer.

Mrs. Fisher. Pure white, very large. The best white summer bloomer.

Portia. Brilliant scarlet; free bloomer.

Scott. Flowers large and non-bursting, of a deep pink; stems long, of good strength.

Vesper. Pure white, lightly pencilled with scarlet; flower large, and never bursts.

15 Cents Each. \$1.50 Per Dozen.

HARDY GARDEN PINK.

Her Majesty. The flowers of this fine variety are of large size and of the purest white, very fragrant, and borne profusely on stout, erect stems, twelve inches long. It is hardy, and will winter in the open border, or may be grown in cold frames for early forcing.

15 Cents Each. \$1.50 Per Dozen.

ROSES.

Hybrid Perpetual Roses.

Hybrid Perpetual Roses are hardy and vigorous. The flowers are very large, of delightful fragrance, and the colors are richer than the Teas or Everblooming.

Alfred Colomb. Brilliant crimson, large, full, globular and fragrant.

Anna de Diesbach. Brilliant carmine-pink; large, full and fragrant.

Captain Christy. A lovely rose, blooming almost the entire season; very large double buds of a deep flesh color.

Coquette des Alps. White, faintly tinged with pale blush; profuse bloomer.

Dinsmore. A vigorous and free-blooming rose, perfectly hardy and bearing large perfectly double flowers of a rich scarlet-crimson color.

General Jacqueminot. Brilliant scarlet-crimson of fine shape and exquisite fragrance.

Mabel Morrison. Pure white; large, massive, perfectly formed flowers.

Madame Charles Wood. Vivid crimson, large and full.

Madame Gabriel Luizet. Fine satin rose, large and full.

Magna Charta. Bright pink, suffused with carmine; strong, vigorous grower.

Marshall P. Wilder. Cherry-carmine; large, full semi-globular flower of fine form.

Mrs. John Laing. Rich, satiny pink, delicious fragrance; blooms constantly.

Paul Neyron. Very large dark rose; by far the largest rose in cultivation.

Prince Camille de Rohan. Dark crimson-maroon; richly shaded; full, large and superb.

Ulrich Brunner. Bright cerise-red; flowers large and full.

Large Plants, 30 Cents Each; \$3.00 Per Dozen.

Medium Plants, 15 Cents Each; \$1.50 Per Dozen.



GEN. JACQUEMINOT.

Tea Roses.

Tea or Everblooming Roses are quite hardy south of the Ohio River, and with careful protection live through our severe northern winters.

American Beauty. Deep rose, shaded towards centre a rich carmine-crimson; delicious fragrance.

Bridesmaid. Deep brilliant pink. The buds are large, long and pointed. A most desirable sort for garden or winter forcing.

Clothilde Soupert. Pearl white, shaded at the centre with silvery rose; produced in the greatest profusion. It makes a fine plant either for pot culture or outdoor planting.

Duchess of Albany. Rich deep pink, exceedingly fragrant; vigorous grower.

Etoile de Lyon. Deep golden yellow; very large and full buds; strong, vigorous grower; excellent outdoor summer-blooming rose.

Hermosa. Probably the most popular bedding rose in cultivation. It is of a bright pink color, most prolific in blooming, and perfectly hardy.

Kaiserin Augusta Victoria. Pearly white, lightly tinted with lemon in the centre, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. The flowers are borne on long stems.

La France. Splendid satiny rose; very large, full, fine form, a constant bloomer, delicious fragrance.

Madame de Watteville. A beautiful shell pink, deepening to bright rose at the edge of the petals, the body of the flower being creamy white.

Madame Plantier. The finest white for bedding in masses; suitable for hedges or for cemetery planting; a perfect snowball when in bloom, forming a large, compact bush.

Marechal Neil. Golden yellow, climbing habit.

Meteor. Rich dark velvety crimson; a free blooming and vigorous grower.

Maid of Honor. Rich glowing pink, darker than Bridesmaid. The buds are large, long and pointed; a most prolific bloomer; strong, vigorous grower, and deliciously fragrant.

Perle des Jardins. Beautiful rich yellow, of large size and perfect form.

President Carnot. The flower is of largest size, of exquisite shape; buds long and pointed; color, outer petals, white, centre delicate flesh pink; excellent summer blooming variety.

Safrano. Buff, shaded with yellow.

Sunset. Large size and perfect form, of a rich shade of saffron and orange.

The Bride. Pure white, large size and perfect form, strong grower and free bloomer; delicious fragrance.



La France.

Large Plants, 25 Cents Each; \$2.75 Per Dozen.

Medium Plants, 15 Cents Each; \$1.50 Per Dozen.

EXCEPT WHERE NOTED.

MOSS ROSES.

Blanche Moreau. Lovely pure white, large and full.

Crested Moss. Rose color, beautifully crested.

Perpetual White. One of the finest.

Large Plants, 35 Cents Each; \$3.00 Per Dozen.

Persian Yellow. Perfectly hardy; flowers double and full; deep golden yellow in color; blooms very freely in June. The finest hardy yellow rose grown.

Strong Plants, 25 Cents Each; \$2.50 Per Dozen.

ROSA RUGOSA.

The lovely Rugosa Roses form sturdy bushes three to five feet in height, covered with handsome, glossy green foliage, and clusters of beautiful single flowers which emit a delightful odor. They bloom nearly the whole summer, and are covered during autumn and winter with red seed pods.

Rugosa. Fine glossy crimson.

| **Rugosa Alba.** Pure white.

Strong Plants, 30 Cents Each; \$3.00 Per Dozen.

HARDY CLIMBING ROSES.

Crimson Rambler. The plant is of very vigorous growth, making shoots from eight to ten feet during the season. The flowers are produced in trusses, pyramidal in shape, good specimens measuring nine inches from base to tip, and seven inches across, fairly covering the plant from the ground to the top, so that it is one mass of glowing crimson. The color is superb, and remains strong and vivid to the end. The profusion of bloom is marvelous, over three hundred blooms having been counted on one shoot.

Pink Rambler. Pure satiny rose. The partially open buds being bright, light carmine, thus producing a strong and pleasing contrast. In hardiness, freedom of bloom and vigorous climbing habit fully equal to Crimson Rambler.

White Rambler. Closely resembles the Crimson Rambler in vine and foliage. Large clusters of pure white flowers, which are deliciously fragrant. The flowers remain on the plant a long time (from three to five weeks), and keep a long time when cut.

Yellow Rambler. The flowers are borne in immense clusters, often as many as 150 blossoms in a bunch. The color is a decided yellow, the flowers are very fragrant; the habit of growth is very vigorous. Well established plants often making shoots eight to ten feet in one season.

Baltimore Belle. Pale blush, nearly white.

Gem of the Prairie. Large and double; color, light crimson, somewhat blotched white.

Prairie Queen. Deep rose, hardy and desirable.

Michigan Climber. Single variety; flowers nearly two inches in diameter; produced very freely; color, bright rich pink; strong, vigorous grower.

Large Plants, 30 Cents Each; \$3.00 Dozen.

HYBRID WICHURIANA ROSES.

These pretty hybrids of this most useful rose are quite hardy and need no protection whatever in winter, and from their trailing habit are admirably adapted for covering rock-work or bare spaces, as well as planting in the border. They are of very free growth, with foliage of a fine deep green, which lasts until well on in the winter. The flowers are produced in immense quantities, and last a long time in perfection. Altogether very desirable.

South Orange Perfection. Dwarf trailing habit, double flowers; blush pink at tips, changing to white.

Triumph. Produces large clusters of well-formed double flowers of pure white, two inches in diameter.

Universal Favorite. Double flowers of a beautiful rose color, over two inches in diameter.

Rosa Wichuriana. Single pure white, with yellow stamens, followed in fall and winter with bright red fruit. Foliage dark shining green; prostrate trailing habit. Valuable for covering low walls, banks or rockeries, and for covering graves in cemeteries.

Large Plants, 30 Cents Each; \$3.00 Per Dozen.



White Moss Rose.



Chrysanthemum.

CHRYSANTHEMUMS.

Eugene Dailledouse. Large, full, double; intensely bright yellow.

Glory of the Pacific. The best early pink, dwarf habit; strong, stiff stem, and excellent foliage.

Golden Wedding. Rich golden yellow of mammoth size, carried erect on strong, straight stems.

Ivory. Pure white, a splendid free flowering variety.

John Thorp. Rich crimson; a large and fine flower.

John Shrimpton. Bright crimson, of largest size and perfect form.

Kioto. Deep yellow; petals incurved and twisted.

L. Canning. Pure white flower, of dwarf but vigorous and compact growth.

Madame F. Bergmann. Pure white; a fine large globular flower, grown extensively for cut flowers, and as a pot plant.

Major Bonaffin. One of the best yellows; a beautiful flower both in form and color; of largest size incurved.

Mrs. Alpheus Hardy (White Ostrich Plume.) Pure white of large size, broad petaled and incurved, the surface being downy, like loose-piled plush.

Mrs. Henry Robinson. One of the finest white varieties; a perfect ball of snow when fully developed.

Mrs. Irving Clark. Pearly white, shading to deep rose in the centre, which is beautifully whorled.

Mrs. Jerome Jones. One of the finest white varieties; of exquisite finish and form, with unusually straight strong stems.

Mrs. Perrin. The loveliest pink of all; flowers large and beautifully formed; extra fine stem and foliage.

Mrs. Potter Palmer. Rose pink within and silvery without; outer petals reflexed with incurved tips, large size.

Queen. White, extra fine; of largest size, very compact; petals incurving.

Vivian Morel. Extra large flowers; petals long and loosely arranged; a beautiful shade of pink.

We have a large stock of other Chrysanthemums, and will fill orders with best varieties when selection is left to us.

15 Cents Each; \$1.50 Per Dozen.

CLIMBING PLANTS.

Ampelopsis Veitchi. (Japan Creeper, or Boston Ivy.)

It grows as rapidly as the Old Virginia Creeper. The leaves are small on young plants, which at first are of an olive-green brown color, changing to bright scarlet in the autumn. As the plant acquires age the leaves increase in size. This variety becomes more popular every season, and is, without question, one of the very best climbing plants for covering brick or stone walls that can be grown. 25c each, \$2.50 doz.

Clematis.

The Clematis is, perhaps, the most popular climbing plant of the day, and is constantly gaining in popularity. Entirely hardy.

Duchess of Edinburgh. A free flowering double white variety with medium sized flowers.

Gipsy Queen. One of the finest of the dark purple varieties. A strong grower and free bloomer.

Henryi. Fine, large, creamy white flowers. A strong grower and very hardy, one of the best of the white varieties; a perpetual bloomer.

Jackmanii. The flowers, when fully expanded, are from four to six inches in diameter; intense violet purple, with a rich velvety appearance, distinctly veined. It flowers continually from July until cut off by frosts.

Mad. Ed. Andre. This is the nearest approach to a bright red Clematis and has been called the Crimson Jackmanii. The plant is a strong vigorous grower and very free in bloom. Color a distinct crimson red; a very pleasing shade and entirely distinct from all other varieties.

Miss Bateman. White, with chocolate red anthers.

Sieboldi. Silvery lavender, a most beautiful shade.

Strong Plants, 50c Each; \$5.00 per doz.

Extra Strong Plants, 75c Each; \$8.00 doz.

Paniculata. One of the most beautiful of our hardy fall-blooming vines. The flowers are pure white, very fragrant, borne in large clusters fairly covering the plant, so that it is a mass of fleecy white; the fragrance is delicious.

Strong Plants, 25c Each; \$2.50 per doz.

Extra Strong Plants, 35c Each; \$3.50 per doz.

Honeysuckles.

Monthly Fragrant, or Dutch. Blooms all summer.

Common Woodbine. A strong rapid grower, flowers very showy; red outside, buff within. June and July.

Halleana. Nearly evergreen; flowers, pure white; produced abundantly; fragrant like a Jasmine.

Yellow Trumpet. A well-known variety, with yellow trumpet-like flowers.

Scarlet Trumpet. It is a rapid grower, and produces scarlet, inodorous flowers all summer.

25 Cents Each; \$2.50 per Dozen.

HARDY HERBACEOUS PERENNIAL PLANTS.

The steadily increasing demand for hardy plants has induced us to give them more attention, and to increase our stock considerably. For such of our customers who are not acquainted with the different varieties we shall be pleased to make suitable selections of the most desirable species that, when once planted, with very little care, will keep the garden gay with flowers from the time frost leaves the ground until late in the autumn.

Achillea (The Pearl.) Flowers borne in the greatest profusion the entire summer on strong, erect stems, of the purest white.

Antirrhinum (Snap dragon.) Assorted colors.

Aquilegia (Columbine.) Assorted colors.

Campanula (Canterbury Bells.) Assorted colors.

Chrysanthemum Maximum. A desirable summer-flowering variety with large, single white daisy-like flowers, 3 inches in diameter, of great substance; a most useful perennial.

Coreopsis Lanceolata. Gives a constant succession of the most brilliant golden-yellow flowers as large as a silver dollar, growing on long, slender stems, two feet high. The beauty of these flowers is unequaled by any yellow flower, and the long stems fit them for cutting for the house.

Delphinium Formosum. An improved variety of the old-fashioned Larkspur. The grandest hardy blue summer-flowering plant. It begins to bloom early in spring.

Dielytra Spectabilis (Bleeding Heart.) Adapted for outdoor planting or forcing for early spring blooming. It bears long racemes of forceful heart-shaped pink flowers.

Digitalis (Foxglove.) A handsome and highly ornamental, hardy perennial plant, of stately growth, fine for shrubberies and other half-shady places; 3 feet.

Funkia Corulea. Blue, broad green leaves.

Funkia Alba (Day Lily.) Pure white, lily-shaped, fragrant flowers; borne in large clusters. 25c each.

Gaillardia Hybrida Grandiflora. Exceedingly showy; blooming in masses from early summer until frost; flowers, single, two to three inches across. Fine for cutting.

Helianthus Multiflorus Fl. Pl. (Double Hardy Sunflower.) One of the most useful plants. It produces its large double Dahlia-like golden-yellow flowers in great profusion the entire summer and fall.

Heuchera Sanguinea. A most desirable perennial, of dwarf, compact branching growth and robust constitution. The flowers are produced in loose, graceful spikes and come in the greatest profusion. Color, rich crimson. 2 feet.

Hibiscus, "Crimson Eye." This elegant Hibiscus, after many years of careful selection, has become entirely distinct. It is a robust grower, with dark red stems and foliage. The flowers are immense in size. The color is pure white, with a large spot of crimson in the centre of each flower.

Moon Flowers.

Hybrid. The most beautiful of all annual climbers, bearing delightfully fragrant flowers, four to five inches in diameter, of a beautiful pure white color. It is called "Moon Flower" from its rare peculiarity of blooming best at night, although it also expands its flowers in dull days; emitting a rich, Jessamine-like odor at night.

Strong Plants, 10c each; \$1.00 doz. By mail, 15c each.

Northern Light. Pink lavender color, flowers very early; large handsome foliage. 10c Each; \$1.00 doz.

Pandurata. (Hardy Moon Flower.) Good roots. 25c Each, \$2.50 doz.

Madeira, or Mignonette Vine.

Madeira Vine Tubers. 5c each, 40c doz.

Chinese Wistaria.

Wistaria Sinensis. The favorite variety, producing thousands of pendulous clusters of delicate violet-blue blossoms, richly perfumed. 10c Each; \$1.00 doz.

Wistaria Sinensis Alba. Of similar habit to Sinensis, with pure white flowers; a lovely climber. 50c each

Cobaea Scandens.

A beautiful climber of rapid growth, with large, blue bell-shaped flowers. Not hardy. 15 and 25c each.

Hop Vines.

A rapid and hardy climber. 10c each, \$1.00 doz.

PASSIFLORA.

A beautiful class of rapid growing climbing plants, well adapted for house culture in Winter, or for training over porches, etc., during Summer.

Constance Elliott. The flowers are pure white, excepting a very slight coloring at the base of the corolla. 15c each, \$1.50 doz.

Hollyhocks. The distinctive character and massive beauty of the Hollyhocks render them unrivalled. For distant effect in large groups they are matchless; nothing makes a finer display. They remain in bloom so long and are so effective that few plants equal them for summer blooming.

Iris Kämpferi. (Japan Iris.) Finest of all the Iris family. The flowers are of immense size, from 6 to 8 inches in diameter, and of the most beautiful and delicate shades. They are perfectly hardy, and flower in great profusion during June and July.

Iris Germanica (Fleurdelis.) Assorted colors. 10c ea., \$1.00 doz.

Paeonies. Magnificent hardy plants, almost rivaling the Rose in perfume, brilliancy of color and perfection of bloom. They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established. We offer double white, rose and crimson. 30c each, \$3.00 doz.

Paeonies Tenuifolia fl. pl. A new variety, with foliage like a beautiful fern, and flowers the color and shape of the Jacqueminot Rose, more double and larger. 50c each, \$5.00 doz.

Phlox Decussata. (Tall Perennial Phlox.) One of the best garden plants: they are easily cultivated, and more attractive than a bed of these, from midsummer until frost. We have a very fine assortment of some of the newer kinds.

Pyrethrum Hybridum Fl. Pl. Too much cannot be said in favor of this grand hardy perennial. No class of plants gives a wider range of colors, while the form and substance of the flowers is all that could be wished. The bloom is similar to that of an Aster. The plants we offer are seedlings grown from an extra select strain. 25c each, \$2.50 per doz.

Pyrethrum Uliginosum (Giant Daisy.) A grand fall blooming plant, growing 5 feet high, and covered with large white flowers with yellow centres; need a moist, rich soil. 20c each, \$2.00 per doz.

Rudbeckia. (Golden Glow.) One of the most desirable, most effective flowering plants for August and September. It grows six feet high, branching freely and throwing up masses of large double yellow flowers. Invaluable for cutting.

15 Cents Each; \$1.50 Per Dozen. Except where noted.

ORNAMENTAL FLOWERING SHRUBS.



Hydrangea Paniculata Grandiflora.

Althea (Rose of Sharon.) Strong, erect growing shrubs which bear large and showy flowers in early fall.

Double Rose. Double White. Double Purple.
30 Cents Each.

Althea Variegated Leaved. Leaves conspicuously margined creamy white; flowers double purple. 3 feet.....35c each.

Berberry (*Berberis Canadensis*.) American Berberry. Yellow flowers April to June, followed by red berries. 3 feet.....25c each.

Berberry Purple (*Berberis vulgaris purpurea*.) Violet colored foliage and fruit; very effective. 3 feet.....25c each.

Burning Bush (*Euonymus Europæus*.) Pods covered with scarlet seed during autumn and winter. 5 to 6 feet.....10c each.

Calycanthus, Sweet Shrub (*Calycanthus Floridus*.) Flowers fragrant, like strawberries; double, and of a chocolate color. 2 to 3 ft.35c each.

Dentzia Crenata flore plena. Flowers double white, tinged with pink. 3 feet.....25c each.

Dentzia Gracilis. A dwarf bush, covered with spikes of pure white flowers in early summer. 3 feet.....25c each.

Dogwood, Red Twigg'd (*Cornus sanguinea*.) A strong growing bush, with crimson colored branches, making it an attractive object in winter. 3 feet.....35c each.

Exochorda Grandiflora. Finely shaped shrub with a profusion of the most lovely pure white flowers; blooms in the spring.....50c each.

Forsythia, Golden Bell (*F. viridissima*.) Bears bright yellow flowers before the leaves appear. 5 to 6 feet.....30c each.

Fringe, Purple or Smoke Tree (*Rhus cotinus*.) Has very curious bloom, which, when covered with dew, resembles a cloud of smoke or mist. 4 feet.....35c each.

Hydrangea Paniculata Grandiflora. This is the finest hardy shrub in cultivation, and endures heat and cold extremely well.

The flowers which are borne in dense pyramidal panicles in the greatest profusion, are white when they first open, but gradually change to rose color and remain in good condition for weeks.....25c, 35c and 50c each, according to size.

Japan Quince (*Pyrus Japonica*.) Blooms profusely in early spring; flowers dazzling scarlet. Makes an excellent hedge. 3 feet.....35c each.

Lilac, Common (*Syringa vulgaris*.) The common purple species, and one of the best. 3 feet.....25c each.

Lilac, Common White (*S. vulgaris alba*.) Flowers pure white; very fragrant. 2 feet.....30c each.

Mock Orange, or Syringa (*Philadelphus*.) Fragrant pure white flowers. 4 feet.....25c each.

Priest, California (*L. ovalifolium*.) Nearly evergreen. Bears white flowers in early summer; one of the best hedge plants. 2 to 3 feet.....25c each.

Snowball (*Viburnum opulus*.) Snowy-white; borne in large balls in early summer.....25c each.

Snowball, Japan (*Viburnum Plicatum*.) Japanese variety of the old-fashioned Snowball, and one of the most valuable of hardy shrubs. It forms an erect, compact shrub six to eight feet high; blooms in early June, and for a long time is a solid mass of white.....50c each.

Spiræa Billardii. A strong growing, pink flowered, late blooming species. 2 to 3 feet.....25c each.

Spiræa Van Houttei. The grandest of all the Spiræas; it is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of 20 to 30 flat white florets make up the raceme, and these clusters are set close along the drooping stems. Perfectly hardy and an early bloomer.....25c each.

Weigelia Candida. The best white Weigelia. 5 feet.....35c each.

Weigelia Desboisii. Beautiful deep rose colored flowers. 3 feet.....30c each.

Weigelia Rosea Nana Variegata. Leaves beautifully margined creamy white; flowers pink. It is a dwarf grower, and admirably adapted to small lawns or gardens. 3 feet.....30c each.

DECIDUOUS TREES.

	EACH.		EACH.
Beech, Purple Leaved. 4 to 6 feet.....	75c	Liquid Amber (Sweet Gum.) 5 to 6 feet.....	75c
Birch, European. White. 8 to 10 feet.....	50c	Magnolia Acuminata. 7 to 8 feet.....	75c
Birch, Cut Leaved. 7 to 9 feet.....	75c	Maple, Norway. 10 to 12 feet.....	75c
Catalpa (<i>Speciosa</i> .) 10 to 12 feet.....	50c	Maple, Rock or Sugar. 10 feet.....	75c
Cherry, Double Flowering. 4 to 5 feet.....	50c	Maple, Silver Leaved. 10 to 12 feet.....	60c
Elm, American. 7 to 8 feet.....	75c	Maple, Weir's Cut Leaved. 8 to 10 feet.....	75c
Elm, Purple Leaved. 8 to 10 feet.....	\$1.00	Mountain Ash, European. 10 to 12 feet.....	60c
Elm, Weeping.	\$1.00	Mountain Ash, Oak Leaved. 6 to 8 feet.....	60c
Horse Chestnut. 7 to 8 feet.....	75c	Mountain Ash, Weeping.	75c
Horse Chestnut, Red Flowering. 4 to 5 feet.....	\$1.00	Poplar, Carolina. 10 to 12 feet.....	60c
Horse Chestnut, Dwarf.	75c	Salisbury (Maiden Hair.) 4 to 5 feet.....	75c
Kentucky Coffee Tree. 4 to 5 feet.....	50c	Thorn, Double Flowering Crimson. 4 to 6 feet.....	60c
Linden, American. 10 to 12 feet.....	75c	Tulip Tree. 10 to 12 feet.....	60c

NUTS.

	EACH.	DOZ.		EACH.	DOZ.
Almonds. Hard and soft shell. 3 to 4 feet.....	50c	\$5.00	Pecans. 4 to 5 feet.....	75c	\$8.00
Chestnut, American. 6 to 7 feet.....	50c	\$5.00	Walnuts, English. 4 to 5 feet.....	75c	\$8.00
Chestnut, Spanish. 5 to 6 feet.....	75c	\$8.00	Walnuts, Black. 7 to 8 feet.....	75c	\$8.00
Hickory. Shell bark. 6 to 8 feet.....	75c	\$8.00	Walnuts, White (Butternut.) 5 to 7 feet.....	75c	\$8.00

EVERGREENS.

	EACH.	PER DOZ.
Arbor Vite American. 1½ to 2 feet.....	20c	\$2.00
" " " 2 to 3 feet.....	30c	3.00
" " " 3 to 4 feet.....	40c	4.00
" " Chinese Compacta. 4 to 5 feet.....	50c	5.00
" " Elegantissima. 4 to 5 feet.....	40c	3.50
" " Golden (Aurea.) 3 to 4 feet.....	50c	5.00
" " Pyramidalis. 3 to 5 feet.....	40c	3.50
" " Siberian. 3 to 4 ft.....	40c	3.50
" " Tom Thumb. 2 feet, stocky.....	40c	3.50
Fir Balsam. 6 to 7 feet.....	50c	5.00
Juniper Irish. 3 to 4 feet. Extra fine.....	50c	5.00
Pine Scotch. 5 to 7 feet.....	50c	5.00
" White. 5 to 7 feet.....	50c	5.00
Spruce Norway. 3 to 4 feet.....	40c	4.00
" " 5 to 6 feet.....	60c	6.00
" Colorado Blue. 2 to 3 feet.....	75c	8.00
" Hemlock. 1½ to 2 feet.....	50c	5.00



BLANC PHILA

Eulalia Zebrina.

ORNAMENTAL GRASSES.

Eulalia Gracillima. The most beautiful of all the Eulalias, with narrow graceful foliage, entirely green, without variegation, except that the midrib is of a silvery sheen. Perfectly hardy, very valuable.

Eulalia Japonica Variegata. Leaves striped white and green longitudinally. The dried blooms of all the Eulalias make beautiful winter ornaments.

Eulalia Zebrina. A peculiarly variegated grass, growing six feet high. The variegation is unlike that of any other plant, being across the leaf in regular bands, as shown in our illustration, dark green and light yellow alternating.

Strong Clumps, 25 Cents Each; \$2.50 Per Dozen.

FRUIT TREES, SMALL FRUITS, GRAPE VINES, ETC.

Select thrifty young trees in preference to old or very large ones; the roots are more tender and fibrous, and they bear transplanting better and far more apt to live: they can also be more easily trimmed and shaped to any desired form, and in the course of a few years will usually outstrip the older ones in growth. If not prepared to plant when your stock arrives, "heel in" by digging a trench deep enough to admit all the roots, and setting the trees therein as they can stand, carefully packing the earth about the roots, taking up when required. Never leave the roots exposed to the sun and air.

SENT BY EXPRESS OR FREIGHT AT EXPENSE OF PURCHASER.

Apples.

We can furnish all varieties usually catalogued, but the following list comprises the most desirable sorts.

Standard.

Three years old, 6 to 7 feet high, 25c each. \$2.50 per dozen.

Summer Varieties.

Early Harvest. Pale yellow, fine flavor; August.
Golden Sweet. Pale yellow, sweet and good; August.
Keswick Codlin. Large, pale yellow, pleasant; August.
Sweet Bough. Large, pale yellow, tender, sweet.
Yellow Transparent. Pale yellow, good quality.

Autumn Varieties.

Fall Pippin. Very large, yellow, rich, aromatic.
Maiden's Blush. Large, beautiful, blush cheek.
Rambo. Yellow, streaked with red; October to December.
Red Beitigheimer. Pale cream, covered with crimson.

Winter Varieties.

Baldwin. Large, dark red, productive.
Ben Davis. Large, handsome, striped; good quality.
Golden Russett. Medium, dull russet, crisp, juicy.
Northern Spy. Large, striped red; good keeper.
Rawles' Janet. Medium; yellow, striped with red, rich, crisp and juicy; a long keeper.
Rome Beauty. Large, yellow, shaded red; tender.
Smiths' Cider. Medium; tender and juicy; sub-acid.
White Pippin. Large, pale yellow; rich sub-acid.
Wine Sap. Medium; deep red; rich sub-acid.
York Imperial. Medium; yellow, shaded red; firm, juicy sub-acid. An excellent shipping apple.

Crab Apples.

5 to 7 feet, 25c each; \$2.50 per dozen.

Hyslop. Deep crimson, very popular on account of its large size, beauty and hardness.
Transcendant. Skin yellow striped with red.
Whitney. Large, glossy green, splashed carmine, firm, juicy; great bearer; excellent for cider.

Pears.

6 to 7 feet, first-class, 50c each; \$5.00 per dozen.

Bartlett. Large, clear yellow, juicy. August.
Clapp's Favorite. Large, juicy and rich. August to September.
Flemish Beauty. Large, juicy, rich and fine. September to October.
Kieffer's Hybrid. Large, rich color and good quality.
Lawson. Yellow, flushed with crimson, crisp and juicy.
Lawrence. Yellow, thickly dotted, fine flavor.
Seckel. Small, yellowish brown, one of the best.
Tyson. Large, yellow with brown cheek, sweet.
Wilder. Yellow with red cheek, fine quality.

Peaches.

4 to 6 feet, 25c each; \$2.50 per dozen.

Alexander. Medium, greenish white, juicy, sweet.
Beers' Smock. Large yellow flesh peach; one of the best market sorts; last of September.
Champion. Creamy white with red cheeks, freestone; excellent quality; early in August.
Crawford's Early. Large, yellow, of good quality, freestone; early in September.
Crawford's Late. Large, yellow with red cheek, freestone; last of September.
Elberta. Large, yellow with red cheek; flesh yellow, firm, juicy, of high quality; very prolific.
Fitzgerald. Large, yellow, suffused with red; flesh, deep yellow; best quality; hardy and productive.
Mountain Rose. Large, handsome, red cheek; flesh white, juicy; one of the best; August.
Old Mixon Free. Large, yellow, with red cheek.
Sneed. The earliest variety. Medium size, creamy white, with light blush cheek; excellent quality.

Cherries. (Heart and Bigarreau.)

5 to 7 feet, first class, 50c each; \$5.00 per dozen.

Black Tartarian. Very large, black, juicy rich, excellent, productive. Last of June.
Governor Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June.
Napoleon. Large, pale yellow, firm, juicy, productive.
Rockport Bigarreau. Large, yellow, juicy and sweet.
Windsor. Large, liver colored, fine quality.

Cherries. (Duke and Morello.)

4 to 6 feet, first-class, 40c each; \$3.50 per dozen.

Early Richmond. Medium, dark red, fine quality.
Empress Eugenie. Large, dark red, fine quality.
English Morello. Dark red, rich, acid, juicy and good.
May Duke. Large, red, an excellent variety.
Reine Hortense. Large, red, juicy and delicious.

FRUIT TREES, SMALL FRUITS, Etc.—Continued.**PLUMS.**

On Plum Stocks, 5 to 7 Feet, 50c Each; \$5.00 Dozen.

Abundance. Large, yellow, with heavy bloom; good quality; very prolific.

Bradshaw. Large, dark red, flesh green, productive.

Genii. Large, purple, sweet, good market variety.

Lombard. Medium red, juicy, good, hardy and productive; the leading market variety.

Shipper's Pride. Large, purple, fine, juicy and sweet.

On Peach Stocks, 4 to 6 Feet, 50c Each; \$5.00 Dozen.

Damson. Small, oval fruit, purple, hardy, productive.

Weaver. Large, purple, very prolific.

Wild Gouse. Medium, purple.

BLACKBERRIES.

50 Cents Dozen; \$2.00 per Hundred.

Should be planted in rows six to seven feet apart, three to five feet in the rows. Keep the ground light and rich. Pinch the canes back when they have reached four feet in height.

Ancient Briton. Large fruit, stems loaded with good-sized berries of fine quality; vigorous grower; hardy.

Early Harvest. Very prolific; choice variety.

Eldorado. Large fruit, borne in large clusters, and ripen well together; fine quality; good keeper.

Snyder. Medium size, sweet and juicy; extremely hardy and very productive.

GRAPE VINES.

The vines come quickly into bearing, yielding fruit usually the second year after planting; requires but little space, and when properly trained is an ornament to the yard, garden or vineyard. The soil for the grape should be dry; when not naturally so, should be thoroughly drained. It should be deeply worked and well manured, always bearing in mind that it is an essential point to secure a warm, sunny exposure. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. Plant about 8 feet apart, by the fence or building. Use Grape Dust to prevent mildew. Strong selected two-year vines.

Catawba. A very late keeper; red, sweet and rich, with pleasant musky flavor.....15c each, \$1.25 doz.

Colerain. A new White Grape, fully hardy. Flesh juicy and remarkably sweet. An abundant yielder.....25c each, \$2.50 doz.

Concord. One of the most profitable and productive of all hardy grapes. Bunch and berry large; black, juicy and sweet10c each, \$1.00 doz.

Delaware. Small, light red, skin thin, very juicy, sweet, sprightly, fine flavor.....15c each, \$1.50 doz.

Eaton. Bunch very large, skin black, sweet and juicy pulp. 50c each.

Ives' Seedling. Dark purple; sweet, hardy.....10c each, \$1.00 doz.

Martha (White Concord.) Large, pale yellow; strongly resembles the Concord in all points except color. 15c each, \$1.50 doz.

RASPBERRIES.

40 Cents Per Dozen; \$1.50 Per Hundred.

The Raspberry should be planted in good, rich soil, in rows five feet apart and three feet apart in the rows. As soon as they have done bearing cut out the old wood to give more vigor to the young canes.

Cuthbert. Large, firm; deep, rich crimson; of excellent quality, tall, strong and vigorous; perfectly hardy and very productive. Ripens medium to late.

Eureka. Large, black variety; fruit firm, of superior quality; strong, vigorous grower, and very prolific.

STRAWBERRIES.

Any ordinary soil will grow strawberries, though the richer it is made the larger the fruit. We prefer planting in the spring, as early as the ground will permit; but pot-grown plants, set in August or September, will produce a good crop the next season. For garden culture, the most convenient method is to plant in beds four feet wide, three rows in each bed, and plants one foot apart in the row. A pathway two feet wide should be left between the beds, so that the fruit may be easily picked and the bed kept clean without stepping on them. Cover lightly in winter with corn stalks or some coarse litter; rake off in the spring, dress the beds, and mulch with litter or short grass from the lawn. Plant in March, April, May, September or October.

All varieties offered in this list have perfect or bi-sexual blossoms, except those marked (P), which are destitute of stamens, and are termed pistillate or imperfect-flowering varieties, and must be planted near some perfect-flowering sort, or they will produce little or no fruit.

25 Cents Per Dozen; \$1.00 per 100; \$7.50 per 1,000.

Brandywine. Large, roundish conical; bright, glossy crimson; berries, firm and solid, excellent quality and fine flavor.

Bubach No. 5 (P). Very large and productive, bright scarlet; a fine market variety; early to medium.

Enhance. Large, bright crimson, firm very prolific.

Gandy. Large, bright crimson, berries of uniform size; plants vigorous and healthy. The best late variety.

Greenville (P). Large, roundish berries of excellent quality firm and good shipper; very productive.

Haverland (P). Large, bright red, excellent flavor; vigorous grower; ripens fruit evenly and early.

DEWBERRY.

Lacretia. One of the low-growing, trailing Blackberries. In earliness, size, and quality, it equals any of the tall-growing sorts. It has proved highly satisfactory wherever tried, and many say it is the best of all the Blackberry family. 50c per dozen, \$2.00 per 100.

CURRENTS.

10 Cents Each; \$1.00 per Dozen.

Set four feet apart, in rich ground. Cultivate well or mulch heavily; prune out old wood, so that each remaining shoot will have room to grow. Manure freely. Two-year-old plants.

Black Champion. Large bunch and berry, excellent quality, strong grower, very productive.

Cherry. Fruit large, bunch small, deep red, acid.

Fay's Prolific. Extra large stems and berries; color, rich red; fine quality; very productive.

Pomona. Bright red, extra fine quality and enormously productive, strong vigorous grower.

White Grape. Large, yellowish white, sweet, excellent quality and valuable for the table.

GOOSEBERRIES.

Plant three to four feet each way, manure well, and after fruit is gathered, prune out all old wood. Two-year-old.

Downings. Very large and fine quality.....\$1.25 doz.

Houghton. Medium size, very productive.....\$1.00 doz.

Smith's Improved. Large, thin skin; best for table use. \$1.25 doz.

Industry. English sort, of very large size, hardy.....\$2.50 doz.

Moore's Early. Ripens ten days earlier than Concord; bunch and berry round and large; black, with a heavy blue bloom.....15c each, \$1.50 doz.

Niagara. Vine remarkably hardy and strong grower; bunches very large and compact; berries large, light greenish white, slightly umbered in the sun; skin, thin but tough, and does not crack.....15c each, \$1.25 doz.

Pocklington. A seedling of the Concord, resembling that variety in leaf, vine, habit of growth, hardiness and productiveness. Bunch and berry very large; attractive golden yellow color.....15c each, \$1.25 doz.

Worden. A few days earlier than Concord; a larger berry and a larger and more compact bunch, of black color. 15c each, \$1.25 doz.

Prentiss. Bunch large and compact; berry, medium to large, of yellowish green color; skin, thin but very firm; sweet, juicy, with a pleasant musky aroma.....25c each, \$2.50 doz.

Golden Queen. Berries large, golden yellow, bright and firm, and of fine, rich flavor; vigorous, productive and healthy.

Gregg. A large, black variety; fruit firm, of excellent quality, and a good shipper.

Marlboro. Of large size; color, a bright crimson; very firm.

Jessie. Large, handsome berry, of good quality; vigorous grower; good market sort.

Marshall. Large, rich crimson, fine flavor. Plant very strong, with high culture produces heavy crops.

Oriole (P). Large, deep red, rich aromatic flavor, firm, and a good shipper; extra early; productive.

Parker Earle. Large, rich crimson, conical shape, excellent shipper; strong, vigorous grower; very productive; late variety.

Wm. Belt. Large, brilliant red, extra fine quality. The plant is vigorous and thrifty, and very productive.

POULTRY • SUPPLIES, • ETC.



RUST'S EGG PRODUCER.

You can get plenty of Eggs at all seasons by using Rust's Egg Producer. It makes fowls vigorous and healthy, shortens the moulting period, prevents and cures leg weakness, etc., and is just what is needed to make poultry-keeping the most profitable operation on a farm. You can feed Rust's Egg Producer EVERY DAY for two or three weeks, at a cost of one cent for each hen, and get SURPRISING results. It don't cost much to use it, for, although eggs are often dear, Rust's Egg Producer is always cheap.

1 lb. box, 25c.; 2½ lb. box, 50c.; 6 lb. box, \$1.00; 10 lb. box, \$1.50; 25 lb. keg, \$3.50. If by mail, add 16c a pound for postage.



Rust's Havens' Climax Condition Powder.

No Owner of Poultry or Stock Should be Without it. It cures diseases, and keeps stock and fowls healthy; the only real cure for gaps and fowl cholera; expels worms from horses, etc.; gives GREAT and LASTING benefit in heaves, without the slightest injury.

It makes hogs thrive and fatten; increases and improves the production of milk.

It contains no antimony, arsenic, resin, or anything harmful, and is, therefore, entirely different from the number of quick foods and powders in the market.

It is unlike any other powder, and those who use it once WILL HAVE it again.

It is not a food, but an honest medicine, at an honest price. Price, 13-oz. package, 25c. If sent by mail, 15c extra for postage. 2-lb. package, 50c. 5-lb. box, \$1.00.

IMPERIAL EGG FOOD.

For all varieties of laying fowls, Young Chickens, Ducks, Geese and Turkeys.

Price, per lb., 50c.; 2½ lbs., \$1.00; 6-lb. boxes, \$2.00; 10-lb. boxes, \$3.00; 25-lb. kegs, \$6.25.

CONCENTRATED EGG FOOD.

For all kinds of poultry—will make your hens lay.

This is a food of our own manufacture, prepared with special care. It is composed of ingredients which are most beneficial to fowls; keeping them in good condition, and making poultry profitable stock. Give it a trial and be convinced of its merits.....Price, 5-lb. box, 40c. (Not sent by mail.)

Mixed Seeds and Grain for Poultry.....50c per bushel.

Rust's Haven's Roup Pills.

The pills act directly on the glands and mucous membrane, allay all tendency to fever, and carry off all morbid matter from the system. They are entirely free from everything harmful, and the best remedy ever discovered for Roup, Catarrh, Colds and Distemper. They are unlike any other medicine, and, being composed of medicines in concentrated form, they are of moderate size, and, therefore, easy to give to fowls.....25c per box of 48 pills.

Mica Crystal Grit. Hens having no teeth should be kept constantly supplied with some sharp material to grind and masticate their food. Mica Crystal Grit is superior to all other forms, as it is not only sharp and hard, but its properties are such that it acts as a tonic, and contributes largely to the health and productive power of the fowl.

3 lbs. 10c.; 10 lbs. 25c.; 100 lbs. \$1.25.

Oyster Shell. Will increase the supply of eggs, and keep poultry in a healthy condition.

Coarse Ground..... } Per lb. 5c., 3 lbs. 10c., 10 lbs. 25c., 100 lbs. \$1.00.
Fine Ground..... }

Pure Bone. For laying fowls and young chickens.

Coarse Ground..... } 5c lb. (by mail 20c lb.) 10 lbs. 45c, 100 lbs. \$3.50.
Fine Ground..... }

Rock Salt. For horses and cattle.....3c lb., 100 lbs. \$1.50.

Paul's Drinking Fountain for Poultry.

Can be filled easily. The water is always clean, and chickens can not get wet.....Price, ½ gal. 25c., 1 gal. 35c., 2 gals. 50c.

Nest Eggs, China. For setting and laying hens.

5c each, 35c dozen, if by mail, add 20c per dozen extra.

COTTON SEED MEAL—for Feeding Stock.

The most economical article for feeding stock now known. It is only a few years since that the value of Cotton Seed Meal for Stock Food was discovered. Now the demand for it is in excess of the supply, about three-fourths of our entire product going to Europe, where necessity compels the most rigid economy in the purchase of food. This alone is sufficient evidence of its high value. From a chemical analysis, made for the *American Agriculturist*, it is seen that the milk-producing properties are forty per cent. more than Linseed Meal, and nearly four times as much as Bran and Mill Feed, and five times more than Corn and Oats.



Good for Horses, Cattle, Sheep, Pigs and Poultry.

Fed to dairy cattle, the yield of milk is largely increased, and twenty to twenty-five per cent. more cream or butter is obtained. All who have used it attest to these facts.

In addition to its value as a milk producer, it contains of flesh and fat producing properties from twenty-five to fifty per cent. more than other feeds. It is rich in ammonia, and the most valuable manure is obtained from its use.

DIRECTIONS FOR FEEDING.—Milch cows and fattening cattle, mix with other feed, beginning for each animal with one pint at a feed, increase gradually for a week or ten days, to two quarts at each feed. Fattening hogs, one quart. Horses, one-half pint every other day. Sheep, one-half pint.

Per bag of 100 lbs., \$1.25; five-bag lots, \$1.20.

Like all other commercial articles, the price is subject to market fluctuations.

OLD PROCESS LINSEED OR OIL CAKE MEAL.

Nearly every one has used the Old Process, and knows what it is. It contains considerable oil, and must be used in small quantities. Put up in 100-lb. bags without extra charge. Subject to market fluctuations.....Per bag, \$1.40.

FERTILIZERS.

Bowker's Flower Food. It is free from odor, clean to handle, and, in addition to promoting a strong, healthy growth, and a profusion of bloom, it materially aids in keeping your plants free from vermin. The Flower Food will keep any length of time, is soluble in water and ready for the plant to take it up, thus producing a quicker and healthier growth than can be obtained from any other fertilizer. Directions for use on each package.

Large size, 25c per pkt. By mail, 10c pkt. extra.
Small size, 15c per pkt.; 2 pkts. for 25c. If by mail, add 5c pkt. extra.

Sheep Manure—El Paso. This is a pure natural manure, and the most nutritious food for plants. Its effect is immediate, much more lasting and healthful than guano or any other manure. It is the best of all manures for mixing with the soil for greenhouse plants. It makes the richest, safest and quickest liquid manure, rivaling guano, without any deleterious effects. Nothing equals it for general use on flower beds, or for the vegetable garden. No other fertilizer produces such a marked and permanent effect upon lawns. No raking-off required. No seeds of foul weeds in it! No offensive odor! It is clean to handle! Absolutely safe to use in any quantity or in any manner.

Directions.—For lawns, use at the rate of from 300 to 500 pounds per acre. For pot plants, mix one part of sheep manure to six parts of soil. For use in the vegetable garden, spread over the surface and dig in. Being soluble, it readily makes a safe liquid manure (one pound to five gallons of water per day can be safely used).

Per lb. 10c.; 5 lbs. 25c.; 12 lbs. 50c.; 25 lbs. 75c.; 100 lbs. \$2.50.

Pacific Guano. For several years we have been handling Pacific Guano, and the universal verdict from all who use it is, "It is the best fertilizer we have ever used."

1 lb. 10c.; 5 lbs. 25c.; 25 lbs. 75c.; 100 lbs. \$2.00; per half-ton, \$15.00; per ton, \$28.00.

Peruvian Guano. One of the most powerful stimulants for plants and growing crops. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, and more efficient than repeated waterings with weaker solutions...Per lb. 10c.; 10 lbs. 75c.; 100 lbs. \$5.00.

Bone Meal, Flour or Dust. This is ground very fine, decomposes more rapidly in the soil than the coarser grades, and is, therefore, more quickly beneficial.

Per lb. 5c.; 10 lbs. 45c.; 100 lbs. \$3.00.

Bone, Crushed or Coarse. This is largely used for pasture lands, being rather slow but permanent in action, and it is also indispensable in the grape-vine borders—for fruit trees, small fruit, etc.—where a lasting fertilizer is required.

Per lb. 5c.; 10 lbs. 45c.; 100 lbs. \$3.00.

Ammoniated Bone Meal. This is now the leading fertilizer, and is especially valuable for plants, potatoes and grain.

5 lbs. 25c.; 100 lbs. \$2.00; 200 lb. bag \$3.00; per half ton, \$14.50; per ton, \$28.00.

Bone with Ammonia and Potash (Ox Brand.) There are many farmers who feel obliged to use a manure that is not expensive, and therefore we have prepared this manure, which, while it contains a large percentage of available phosphoric and bone phosphate of lime, does not contain so much ammonia or potash. It will be found to give admirable results, and we confidentially recommend it.

200 lb. bag, \$3.00; per half ton, \$12.50; per ton, \$24.00.

Bone and Potash (Ox Brand.) The chemicals used in this brand are in the most soluble form, and it should give good results; is dry and drillable, and contains more available phosphoric acid and phosphate of lime than any other brand of bone and potash on the market.

200 lb. bag, \$2.75; per half ton, \$11.00; per ton, \$21.00.

Dissolved Bone, High Grade (Ox Brand.) This brand of dissolved bone is intended for use on lands that need phosphoric acid, but are not deficient in ammonia and potash. It contains more available phosphoric acid than any other similar brand on the market, and besides contains almost as much bone phosphate of lime as pure raw bone, and the bone phosphate in an available form, while the bone phosphate in pure raw bone is all insoluble. Therefore this brand is a more economical fertilizer than pure bone.

200 lb. bag, \$2.50; per half ton, \$10.50; per ton, \$20.00.

Land Plaster. Per barrel about 300 lbs., \$1.50; six barrels or more, \$1.35.

FERTILIZER INGREDIENTS.

For the benefit of those who want Fertilizers for special purposes, or for mixing with stable manure, we keep on sale ingredients that contain the elements to make a complete fertilizer, viz.: Nitrogen, Potash and Phosphoric Acid. The ingredients we sell contain these elements in most available form for plant food.

Nitrate of Soda. A natural product of the mines of Chili, South America. Contains sixteen per cent. Nitrogen, equal to twenty per cent. Ammonia. Use twenty to forty pounds per acre.....Price per 100 lbs., \$3.50.

Kainit. A natural product of the mines of Germany, containing nearly thirteen per cent. pure Potash, also a large percentage of Magnesia, Sulphate of Lime and Salt. Mixed with stable manure, 1½ pounds per day for each animal will double the value of the manure, by preventing the waste of Nitrogen—Ammonia. Use 50 to 200 lbs. per acre. Kainit is put up in 200-lb. bags only. Price per bag, \$2.25; 5 bags or more, \$2.00 per bag, or \$19.00 per ton.

Mineral Phosphate. A highly concentrated phosphate, made from the deposits of the bones of sea animals. Contains from 38 to 43 per cent. of available Phosphoric Acid. Use fifty to sixty pounds per acre.....Price, \$3.50 per 100 pounds.

Briefly stated, the leading effects of the different fertilizer elements are as follows: Nitrogen (Ammonia) produces a vigorous growth of the plant, and is particularly valuable for all vegetable crops, and as a top dressing for grass. Potash and Phosphoric Acid increase the yield and quality of crop products, and should be used on all grain crops.

"JADOO" FIBRE AND "JADOO" LIQUID.



TRADE-MARK REGISTERED.

Jadoo Fibre is a new growing substance for plants of all kinds. It was invented by Col. Thompson, of the Royal Army and Fellow of the Royal Horticultural Society of England, and it is highly recommended by gardening authorities there. It suits all kinds of plants, is only half as heavy as earth and cleaner to handle. It increases the size and brilliancy of flowers. Seeds germinate, and cuttings root in it, quicker than in earth. Owing to its spongy nature it retains water much longer than earth. Plants transplanted in Jadoo Fibre do not flag, even if in full bloom.

From experiments in our nursery we recommend mixing Jadoo Fibre with about ¼ to ½ good loam to give best results.

Price, 5 lbs. 30c.; 10 lbs. 50c.; 25 lbs. \$1.10; per bag of about 125 lbs. \$3.00 per 100; per ton, \$50.

Jadoo Liquid revives drooping plants, increases the size and profusion of bloom. It is both meat and drink to plants of all kinds. It can be used on plants that are grown in earth or in Jadoo Fibre.

Price, pint bottle, 25c.; 2-gallon can, \$1.50.

Peat Jersey. Fibrous and rotted.....Per bushel, 75c.; per barrel, \$2.50.

Prepared Potting Soil.....Per bushel, 50c.; per barrel, \$1.00.

Sphagnum Moss. For packing and growing orchids, etc.

Per pound, 10c.; per bale, \$1.50.

Moss Green, Sheet.....Per bale, 40 cents.

INSECT DESTROYERS AND FUNGICIDES.

Bug Finish. A safe and valuable discovery. Thoroughly effective, safe and economical for killing Potato Bugs, Cabbage Worms and Curculio of all kinds. Ready to use. No mixing to do. The whole compound composing Bug Finish is reduced very fine and thoroughly combined by patent process, so that every grain of the whole mass is sufficiently poisonous that a small amount will kill any insect the same as though it had eaten PURE PARIS GREEN. Hence only a very slight dust is necessary, making it cheaper than any other preparation.

Per lb. 5 cts.; 10 lbs. 30 cts.; 100 lbs. \$2.00; Barrell of 300 lbs. \$4.50.

Bordeaux Mixture. A valuable and indispensable fungicide for grape growers, ensuring larger crops and finer grapes, and preventing failure. Successful against black rot, mildew and rust. Being in liquid form it is very convenient to handle. One gallon will make fifty gallons of spraying liquid.Quart 40 cts.; gallon \$1.00.

Soluble Fir Tree Oil. It frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy Bug, Scale, Red Spider, Aphid (black and green), Thrip, Blight Worms and Slugs; also a valuable remedy for animal parasites and insects. Dilute with soft or rain water. Sprinkle or spray on with Vaporizer.

½ pint 50 cts.; Pint 75 cts.; quart \$1.25.

Flour of Sulphur.10c lb.; 10 lbs. 60 cts.

Fostite. A copper sulphated soapstone powder to cure mildew on Grapes, Fruit Trees, Roses, and plants in general affected by fungus diseases15c lb.; 5 lbs. 65 cts.;

Grape Dust. A non-poisonous powder for the remedy and control of mildew and rot on Grapes, Gooseberries, Roses etc. Apply with bellows or powder gun.

Per lb. 10 cts.; 5 lbs. 35 cts.; 10 lbs. 60 cts.

Hellebore Powder White. For destruction of Slugs, Worms, Caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use when fruits or vegetables are nearly ripe.½ lb. 20 cts.; 1 lb. 30 cts.

IF WANTED BY MAIL ADD 15 CENTS PER POUND EXTRA. LIQUIDS CANNOT BE SENT BY MAIL.

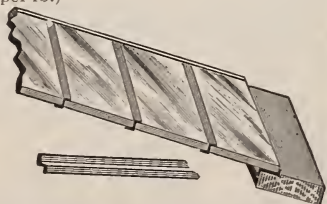
Horticultural Tools and Sundries.

Barrows Garden. —No. 2. Small.....	\$3 00
“ No. 3. Medium.....	3 25
“ No. 4. Large.....	3 75
“ Railroad patent wheel and bolted	1 75
Bill Hooks. 7-inch, \$1.25; 9-inch.....	1 75
Bellows —Woodason's. Large double cone.....	3 50
Single Cone, small, \$1.00; large.....	2 00
Liquid spraying, small, \$1.00; large.....	2 00
Special Sulphur.....	1 50
Bee Smokers. —Clark Smoker.....	50
Perfection Cold Blast.....	75
Perfection Muzzle-feeder.....	1 25
Add 25 cents to each smoker, if to be sent by mail.	
Canes. —5 to 8 feet long, for plant stakes. Per 100.....	65
Dibbles. —For transplanting plants.....	50
Forks. —Digging or spading.....	90
Manure. Cast steel, oval, 4-tine.....	75
Hand-Weeding. 15 and 35 cts. (By mail 10c. each extra.)	
Hand-Weeding. Imported, 50c. (By mail 60c.)	

FUMIGATOR—Perfection. Made with water tank, which prevents overheating; the vapor assists in the destruction of insects.

No. 1. Capacity 8 quarts.....	3 00
No. 2. “ 16 “.....	3 75
No. 3. “ 24 “.....	4 50

Garden Reels. Iron, painted.....	75
Garden Lines. About 200 feet.....	30
Gooseberry Pruner. For thorny bushes.....	1 00
Grafting Wax. ¼ lb. 10c.; ½ lb. 15c.; 1 lb. 25c. (By mail add 15c. per lb.)	



Gasser's Zinc Joint. Will make your greenhouse AIR and WATER tight; saves FUEL and GLASS. You can save the price of zinc on glass and putty. No glass broken by frost and by sliding. In ordering, mention the distance between bars.

8 inches, per 1000, \$3 50	12 inches, per 1000, \$5 00
9 “ “ 4 00	15 “ “ 5 50
10 “ “ 4 50	16 “ “ 6 50

Grass Hooks. American, plain back.....	30
“ “ English, riveted back.....	60

Hammond's Scrofularia Powder. For the protection of Carpets and other similar goods against the ravages of the Carpet Beetle or so-called Buffalo Moth25 and 50c each.

Paris Green. Strictly pure.....¼ lb. 10c.; ½ lb. 15c.; 1 lb. 25c.

Persian Insect Powder. A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids, and almost all kinds of insects.....¼ lb. 15c.; 1 lb. 50c.

Slug Shot. A non-poisonous powder and a very popular insecticide—it requires no further mixing or preparation—easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effective in destroying Caterpillars, Currant, Gooseberry and Cabbage Worms, Potato, Melon, Squash and Cucumber Bugs, Rose Slugs, Rose Lice, etc.

Per lb. 10c.; 5 lbs. 30c.; 10 lbs. 50c.

Tobacco Dust. (Pure.) A sure remedy for green fly, cheaper than snuff and quite as effective.5 lbs. 25c.; 100 lbs. \$3.00.

Tobacco Dust and Sulphur. Will prevent and cure mildew on grape vines and rose bushes. It will destroy the Green and Black Fly, Grubs, Cut-worms, Lice, Mealy Bug and the Red Spider. May be applied in powder or liquid form. If put on in powder, the foliage should be wet; if in liquid the foliage should be dry.....Per lb. 10c.; 5 lbs. 30 cts.

Tobacco Soap, Pinner's. Manufactured from the essential oil of Tobacco, for the destruction of all insects, parasites and their eggs.....½ lb. 25c.; 1 lb. 40c.

Tobacco Stems. Used for fumigating plants to kill insects. Invaluable as a mulch for rose beds, lettuce beds, etc., where insects frequently do much injury to roots or foliage. The best quality stems supplied.

Per lb. 5c.; Barrell \$1.00; Bales of about 150 lb. \$3.00.

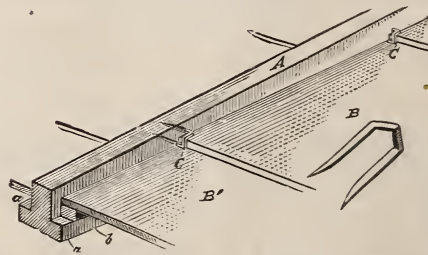
Tobacco Extract Rose Leaf. A perfectly pure, highly concentrated extract of Tobacco, always uniform in strength of Nicotine poison. Destroys green fly, mealy bug, thrip and red spider.

Pint, 30c.; quart, 50c.; gallon, \$1.50; 5 gallons, \$5.00.

Edging Knife. For cutting the edge of walks and beds... 50

GRASS CATCHER.—The Triumph. Is made of strong canvas; gathers all the Grass and can be adjusted to any machine in a moment.

No. 1, for 12 to 16-inch machines.....	75
No. 2, for 16 to 20-inch machines.....	75



GLAZIER'S POINTS.—The Van Reyper Perfect, per 1000 60 (By mail 75c.)

Princers for driving the Points, 50c. By mail..... 60

GRUBBERS.—Daisy.....60 and 75

Dock..... 75

GUNS, INSECT POWDER.—Cyclone..... 10

“ “ “ Jumbo..... 20

HOES.—Standard Socket Garden..... 40

Ladies Light Garden..... 30

Crescent Scuffle. 7-inch 45c.; 9-inch..... 50

Imperial Scuffle. 6-inch..... 40

Onion. One end square; opposite end 1 prong..... 25

Onion. One end square; opposite end 2 prongs..... 30

Onion. Extra heavy; one end square; opposite end 3 prongs..... 40

Grubbing. With handle..... 60

Hercules Double Shank. Gold bronze, 6-inch and 6½-inch 40c.; 7½-inch 45c.; 9-inch..... 50

Perrine Patent. Double shank, and curved blade, 6½-inch..... 50

Dutch, Push Hoes. Imported..... 60

HOSE RUBBER.—In 50 feet lengths.

Standard Grade, 3-ply, ¾ inch, 12 cts. per foot.

“ “ “ 4 “ “ “ 14 “ “ “ 75

High Grade 3 “ “ “ 14 “ “ “ 75

“ “ “ 4 “ “ “ 16 “ “ “ 50

Hose Reel. Wooden..... 75

Hose Nozzle...... 50

Hose Menders. 6c. each; 60c. doz.

Horticultural Tools and Sundries—Continued.

KNIVES. —Pruning.....	\$1.25 to \$2.00
Budding.....	\$1.00 to 1.75
Asparagus.....	1.00
Potato. Concave, for cutting seed potatoes....	.25
(By mail, 30 cents.)	

LABELS. —For pots. 4-inch, per 100, 15c.	Per 1,000..... 1.00
5-inch, per 100, 20c.	1.15
6-inch, per 100, 20c.	1.00
Notched, 3½-inch, per 100, 15c.	Per 1,000..... 1.00

LAWN ROLLERS. —No. 1, two sections 15 inches long, and 15 in. in diameter; weight about 120 lbs....	5.50
No. 2, two sections, 24 inches long, and 20 in. in diameter; weight about 285 pounds.....	10.50

MASTICA.—For glazing green-houses, new or old, elastic, adhesive and easy to apply. The use of Mastica avoids the necessity of repeatedly re-glazing the houses, saving much time and expense. One gallon will cover 300 running feet (one side)
 ¼ gal., 35c; ½ gal., 60c; 1 gal., \$1.00.

MASTICA GLAZING MACHINE.
 See cut..... \$1.00.

MATS BASS.—For covering hot beds and tying plants..... 50 cents.

MOLE TRAPS.—Reddick. A first-class trap. No mole can pass under this trap and live..... \$1.00

MOLE TRAPS.—Isbell..... \$1.75
 " English..... 40c

OIL.—Lawn Mower. Per can..... 20c

PLANT BED CLOTH.—Medium. Per yard..... 10c
 " Heavy. Per yard..... 12c
 " In full piece lots of about 50 yards, 1 cent per yard less.

POST HOLE DIGGER.—Champion..... 75c

POST HOLE AUGER.—The best for light or clay soil.
 7½-inch, \$1.25; 9-inch, \$1.35

PRUNERS.—Telegraph Tree. To use on a pole..... 1.35
 Waters' Tree. Pole. 4-ft., \$1.35; 6-ft., \$1.60;
 8-ft., \$1.75; 10-ft., \$2.00.

Extra knives, 25c. By mail, 30c.
Pruning Hooks. 14 inches..... \$1.00
Saw and Chisel. With socket for pole..... .80
Saw, Double Edge. 16-inch, 60c; 18-inch..... .75

POTATO HOOKS. 4-tine..... .40

PUMPS.—Hand Force. Little Giant, brass, fine, coarse and solid stream nozzle, with malleable foot rest..... \$3.50

" Excelsior Fountain. Brass, with stream and spray nozzle..... \$5.00

PUTTY BULBS. Used for setting glass with liquid putty, \$1.00. By mail..... \$1.10

RAFFEA. For tying plants. Per pound, 30c. By mail... .40

RAKES.—Steel Garden. 8-tooth, 30c; 10-tooth, 40c; 12-tooth, 45c; 14-tooth, 50c; 16-tooth, 60c.

" " " Bow Brace. 10 tooth, 50c; 12 tooth, 55c; 14-tooth, 60c; 16 tooth, 70c.

Gem Wire Lawn..... .45
 Wooden Lawn. 20 teeth..... .30
 Self-Cleaning Wood Lawn. 22 teeth..... .60
 Lawn King. 22 teeth..... .35
 Coldwell's Lawn and Scarifying..... .55

SAWS.—Pruning. 16 inch, 60c; 18-inch..... .75
 " Double Edge..... .75

SCISSORS.—Vine. German, for thinning grapes..... .50
 " English, for thinning grape. 6-inch, \$1.00; 7-inch..... \$1.25

" Bow. Pocket pruning. Small, 30c; large, \$1.25
 " Flower Gatherers. English, for holding the flower. Small size, 50c; 6-inch, \$1.00; 7-inch, \$1.25

SCYTHES.—American. Weed or bush..... .75
 " English Lawn. 30 to 36 inches..... \$1.50 to 1.75

SCYTHE SNAKE. Peerless..... .75
 Stones. Flat, 5c; round..... .10

SCOOPS.—Hercules. One half bushel..... 2.00
 Champion. 10-inch, 75c; 12-inch, \$1.00; 14-inch, 1.25

SEED TRYERS.—Steel-pointed pocket, nickel-plated with cap, by mail..... 1.25
 Large. For sampling Orchard Grass, Blue Grass, Coffee, etc. By mail..... 1.75

SHEARS.—Garden or Hedge. English. Short handle, 8-inch, \$1.75; 9-inch, \$2.00; 10-inch..... 2.25
 Hedge. With Notch, 8-inch, \$2.25; 9-inch, \$2.50; 10-inch..... 2.75

Border. 9-inch blade..... 3.75
 Sheep Shears..... 1.00
 Hand Pruning..... 35c, 50c to 2.50

SHOVELS.—Ames'. Square point..... 1.10
 Hadwin. Square point..... .75
 For Boys. Steel, polished..... .40

SPADES.—Ames'. Steel, polished..... 1.25
 Hadwin. Steel, polished..... .75
 For Boys. Steel, polished..... .40

SPRINKLERS.—Scollay's Standard Rubber Valvular. Large, \$1.00. By mail..... \$1.10

Scollay's No. 1 Rubber Valvular. Small, 50c. By mail..... .60c

SYRINGES.—Brass. American Improved, No. 11. Conical valve, two spray roses and jet..... \$4.00

American Improved, No. 12. Conical valve, two spray roses and jet..... \$2.75

"H." The cheapest brass syringe made..... \$2.00

THISTLE OR DOCK CUTTERS...... 50c

TROWELS.—English. Solid shank, polished, 5-inch, 50c; 6-inch..... 60c

American. 6-inch..... 10c to 15c
 Cleves Angle. 5-in., 25c; 7-in., 30c.

If by Mail, 10 cents each extra. Rubber Sprinkler.

WATERING POT.—Galvanized. Made from best quality iron, and heavily galvanized. Two roses with each pot for fine and coarse watering.

8-quart, \$2.00; 10-quart, \$2.35; 12-quart, \$2.75

WEEDERS.—Noyes' Hand. 25c. By mail..... .35
 Excelsior Hand. Excellent for use in flower gardens, 15c. By mail..... .25

Hazeltine's Hand. For weeding onions, strawberries, etc., 25c. By mail..... .30
 Lang's Hand. 25c. By mail..... .30

Cleveland Lawn. The best and simplest weeder. Removes the weeds without disturbing the sod or disfiguring the lawn..... .50

WIRE for Florists Use.—No. 24, per lb., 10c; No. 26, 15c; No. 28, 20c; No. 32..... .25

WIRE CUTTERS.—For cutting barbed wire..... 1.00

LENOX KNAPSACK SPRAYER.

FOR GARDEN, FIELD, GRAPE AND SMALL FRUIT CULTURE.

One man does the work of twelve, and need not stoop down. Spray as fast as you walk. No waste whatever. Spray stops by releasing the pressure of the thumb. No machinery to get out of order. Has an agitator on the left side to stir the liquid. Never rusts. Never out of order. Adjustable to man or boy. To spray trees and vines turn nozzle up. We recommend it to be the best and cheapest one on the market..... Price, \$2.00 each.

Extra Tube. Rubber bulb and rose to work with both hands..... \$1.50.

Ladies Favorite Sprayer.

It throws a beautiful misty spray; fine for window gardening and flowers in the house. Sprays downward or upward, getting on the under side of the leaves. Excellent for tobacco and cigar manufacturers where they need a fine spray..... Price, 75 cents.

MATS.—Strong Burlap.

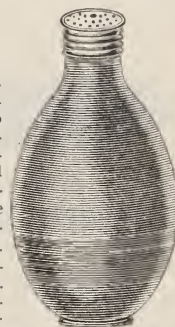
Indestructible, cheap and warm. These are made of Strong Burlap, warmly lined with waste wool and cotton, which is quilted to hold in position. Warmer than straw and more easily handled. Do not retain moisture, freeze, rot, mildew, or harbor vermin as straw does.

Burlap Mats. 76 x 76 inches..... Price, \$1.25 each.

Waterproof Duck Mats. 76 x 76 inches..... Price, \$1.75 each.



Mastica Machine.

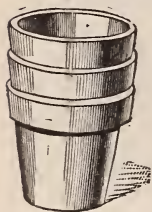


The Lenox.



FLOWER POTS AND SAUCERS.

Our Flower Pots and Saucers are standard make of extra fine finish, and bear shipping well. No charge for packing.



FLOWER POTS.

	DOZ.	PER 100		EACH.	DOZ.	PER 100		EACH.	DOZ.	PER 100
2-inch.....	15c.	\$0 80	4-inch.....	5c.	30c.	\$1 75	8-inch.....	10c.	\$1 00	\$7 25
2½ ".....	20c.	1 00	5 ".....	5c.	40c.	2 50	9 ".....	15c.	1 50	12 00
3 ".....	25c.	1 25	6 ".....	5c.	50c.	3 75	10 ".....	20c.	2 25	
3½ ".....	25c.	1 50	7 ".....	7c.	75c.	6 00	12 ".....	40c.	4 00	

SAUCERS.

	EACH.	DOZ.	PER 100		EACH.	DOZ.	PER 100		EACH.	DOZ.
4-inch.....	25c.	\$1 50		7-inch.....	5c.	45c.	\$3 00	10-inch.....	10c.	\$0 90
5 ".....	30c.	2 00		8 ".....	7c.	60c.	4 50	12 ".....	15c.	1 50
6 ".....	5c.	40c.	2 50	9 ".....	10c.	75c.	5 50			

ROUND LILY PANS.

These are the same style as our standard pots, but not so deep, and are suitable for Cacti, Begonias, Tulips, etc.

	EACH.	DOZ.		EACH.	DOZ.		EACH.	DOZ.
5-inch.....	5c.	\$0 50	8-inch.....	12c.	\$1 25	12-inch.....	30c.	\$3 25
6 ".....	7c.	75	10 ".....	20c.	2 00			

FIBROTTA SAUCERS.

Made of Indurated Fibre; no moisture goes through to injure table, floor or carpet, light and not easily broken; far cheaper in the end and better every way than earthen ware.

SIZE.	EACH.	DOZ.	SIZE.	EACH.	DOZ.
4-inch.....	7c.	70c.	8-inch.....	10c.	\$0 90
5 ".....	7c.	75c.	10 ".....	10c.	1 10
6 ".....	8c.	80c.	12 ".....	12c.	1 30
7 ".....	8c.	85c.	14 ".....	20c.	1 80



Fibrotta Saucers.

FIBROTTA ROLLING STANDS.



Plant Truck.

For heavy plants and Palms; will not soak or rust. Casters have ball bearings. Every heavy plant sold needs one to save carpets and floors and to enable carpets and floors to be readily cleaned.

The 18 and 20-inch sizes are extra heavy and will carry safely 200 lbs.

13 inches diameter, 3 Casters.....	65c.	18 inches diameter, 4 Casters.....	\$1 00
17 " " " " 4 ".....	75c.	20 " " " " 4 ".....	1 25

Florist's Vases for Displaying Cut Flowers.

Made of Indurated Fibre; used now in immense quantities all over the country.

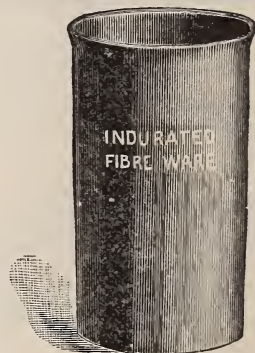
NO.	DIAM.	DEPTH.	EACH.	DOZ.	NO.	DIAM.	DEPTH.	EACH.	DOZ.
0	8 inches.	13 inches.	40c.	\$4 80	22	4½ inch.	15 inches.	40c.	\$4 80
1	5½ "	10 "	35c.	4 20	33	4 "	12 "	35c.	4 20
2	4½ "	9 "	30c.	3 60	44	3 "	9 "	30c.	3 60
3	4 "	6 "	25c.	3 00	00	9 "	21 "	75c.	9 00
4	3 "	4½ "	20c.	2 40					



Columbia Flower Tubs.

The Tubs are made of the best pine lumber, which will keep for years without rotting. They are made of twelve staves in tapered shape, held together by two heavy steel wires, which are connected with substantial iron handles, and are so arranged that the wire can be tightened or loosened by simply turning nut on handle. The handle itself is so constructed that the tub can be lifted by hand, and in case the plants are heavy, sticks can be inserted in handle, thereby allowing all weights to be lifted with perfect safety.

12 inches in diam. by 11 inches high.....	\$1 00	21 inches in diam. by 18½ inches high.....	\$2 50
15 " " " " 14 " ".....	1 50	24 " " " " 20½ " ".....	3 00
18 " " " " 16½ " ".....	2 00		



HAND CORN PLANTERS.

Arnold's Improved.....	\$1 25
Triumph.....	75
Triumph, with Pumpkin Seed Attachment.....	1 50
Victor, with Fertilizer Attachment.....	1 50

CLIPPER SEED MILLS.

These Mills are specially adapted for cleaning grain, clover and timothy seed. No. 1, for Grain and Seed.....20 00

RAYNOR'S LARD PRESS.

No. 1. Diameter 9 inches.....	4 00
No. 2. Diameter 15 inches.....	6 50

LIVE STOCK SALT ROLLER.

The only practicable salt feeding device. Price of the Roller and Bracket complete, 20c. Roller to refill Brackets... 10

BLUE GRASS STRIPPER.

A man can strip 20 bus. of seed per day with it. Weight 4 lbs. 1 75

SEED SOWERS.

Cahoon Broadcast Seed Sower. For sowing Wheat, Oats, Hemp, Barley, Rye, Buckwheat, Grass Seeds, etc. The best machine of the kind in the market..... 3 50

The Switzerland Broadcast Seed Sower. Will sow Timothy, Clover, Hungarian Millet, Hemp, Flax, Mustard, Turnip and all small seeds, \$1.00; 6 for..... 5 00

The Improved Little Giant Hand Broadcast Seed Sower.

It will distribute Flax and Clover Seed thirty-six feet to the round; Wheat fifty feet to the round; Timothy Seed twenty-seven feet to the round; Oats thirty-six feet to the round. 1 75

The Improved Water Elevator and Purifier.

Has none of the objections common to pumps, as it never freezes, works easily, and can be readily adjusted to any well or cistern. Well made, strong, neat and durable. With ordinary care it will last a lifetime.

HOW DOES IT PURIFY WATER?

As the inverted cups pass around the wheel suspended in the chain at the bottom of the well or cistern, they are constantly discharging air through the water from the bottom to the top. This not only thoroughly agitates the water, but it forces a large surplus of oxygen from the air into the water, and this surplus of oxygen is sufficient to consume all impurities or organic matter in the foulest well or cistern.

Curb and Single-Gear Fixtures, complete..... \$3 25
Curb and Double-Gear Fixtures, complete..... 3 75
Chain with buckets, per lineal foot..... 12
To find the length of chain, measure the depth of the well or cistern, double it and add six feet for curb.

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WHEN TO SPRAY AND WHAT TO USE.

The following brief directions for the spraying of fruits and vegetables have been compiled as the result of several years' experimenting with different materials, and it is believed they can be followed without injury to the crops, and with profit to the owner.

It will pay to spray all fruit plants early in the spring with copper sulphate solution, and the second and third applications, as given, can generally be made with profit. Never spray with arsenites while the trees are in blossom, as the bees will be poisoned; they are necessary to fertilize the flowers.

Plant	First Application	Second Application	Third Application	Fourth Application.
Apple —(Canker worm, codling moth, bud moth, scab.)	Spray before buds start, using copper sulphate solution.	After the blossoms have formed, but before they open, Bordeaux and Paris green.	Within a week after blossoms have fallen, Bordeaux and Paris green.	10 to 14 days later, repeat.
Cabbage —(Worms, aphids.)	When worms first appear, kerosene emulsion, or Paris green.	If worms or aphides are present, repeat if plants are not heading, using emulsion for aphids.	If aphides persist, or if worms reappear, use kerosene emulsion, if plants are not heading.	After heads form, use saltpetre for worms, a teaspoonful to a gallon of water, emulsion, for aphides.
Carnation —(Rust and other fungous diseases.)	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blossoms open.	While in bloom, spray every week with the dilute copper sulphate solution.
Cherry —(Rot, aphids, circulio, and slug.)	Before buds start, use copper sulphate solution. For aphids, kerosene emulsion.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, weak.
Current —(Worms, mildew.)	As soon as worms are seen, Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.†	
Gooseberry —(Mildew, worms.)	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English varieties.	10 to 14 days later, repeat if necessary.
Grape —(Flea-beetle, fungous diseases.)	Before buds burst, copper sulphate solution and Paris green.	When first leaves are half grown, Bordeaux and Paris green.	As soon as fruit has set, repeat.*	10 to 14 days later, Bordeaux mixture, if disease is present.
Peach, Apricot —(Leaf-curl, circulio, mildew, rot.)	Before buds swell, copper sulphate solution.	As soon as fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 12 days later, repeat.
Pear —(Leaf-blight, scab, psylla, and codling moth.)	Before buds start, copper sulphate solution.	Within a week after blossoms fall, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bordeaux.
Plum —(Black knot, rot and all fungous diseases, curculio.)	As buds start, copper sulphate solution. Cut out knot and burn.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.
Potato —(Beetles, scab, blight.)	For scab, soak seed in corrosive sublimate solution (2 oz. in 16 gallons of water, for 90 minutes.)	When beetles or their larvae appear, Paris green (1 pound to 100 pounds of plaster.)	Repeat, whenever necessary.	When blight of the leaves is accompanied by rot of the tubers, Bordeaux.
Raspberry, Blackberry —(Anthracnose, rust.)	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high, spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphate solution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.
Rose —(Mildew, black spot, red spider, aphids.)	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to paste.	Black spot: Spray plants once a week with weak copper sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphis: Kerosene emulsion.
Strawberry —(Rust.)	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or weak copper sulphate solution.	As soon as berries are harvested Bordeaux (if to be kept longer.)	
Tomato —(Rot and blight, worms.)	When first fruits have set, Bordeaux.	If disease appear, repeat* or use weak copper sulphate solution.	If necessary, spray with weak copper sulphate solution.	
Violet —(Blight, red spider.)	When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.	Repeat at intervals of 10 to 20 days, as necessary for blight.	NOTE — Use kerosene emulsion, very weak.	

EXPLANATION.—An asterisk (*) cautions against spraying with poisons while the plants are in blossom; a dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food.

For Aphis on all plants, use kerosene emulsion.

KEROSENE EMULSION.

Soft Soap, 1 qt.; Kerosene, 1 pt.; Water, 6 to 11 qts. Warm the soap until it becomes liquefied; remove from near the fire, add the kerosene and agitate rapidly with a force pump for five to ten minutes, until it becomes a homogeneous creamy mass, from which the kerosene will not separate on standing. Dilute with water so that the kerosene will be one-fifteenth to one-twenty-fifth of the entire mixture. If properly prepared, it can be used with safety upon nearly all plants, except squashes, melons, cucumbers, and others of the squash family. A remedy for all sucking insects, and for others with soft bodies, with which it can be brought in contact. A hard soap emulsion can be made by dissolving two ounces of hard soap in boiling water, and using it instead of soft soap.



McCULLOUGH'S

Premier Strains

FLOWER SEEDS.



ASTERS. BALSAM.
 NASTURTIIUM. PANSY.
 PETUNIA.
 PHLOX DRUMMONDI.
SWEET PEAS and VERBENA.

McCULLOUGH'S
SUBURBAN LAWN GRASS
and LAWN FERTILIZER.